



April 10, 2003

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Sand Wash Federal 10-31T-8-17 and 15-31-8-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,


Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

APR 11 2003

DIV OF OIL, GAS & MINING

001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-74869	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Inland Production Company		7. UNIT AGREEMENT NAME Sand Wash	
3. ADDRESS OF OPERATOR Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721		8. FARM OR LEASE NAME WELL NO Sand Wash Federal #10-31T-8-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface NW/SE 2048' FSL 2031' FEL At proposed Prod. Zone 4436068 Y 40.07285 581330 X -110.04623		9. API WELL NO 43-013-32449	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 11.6 miles south of Myton, Utah		10. FIELD AND POOL OR WILDCAT Monument Butte	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 2031' f/lse line & 2031' f/unit line	16. NO. OF ACRES IN LEASE 1,177.07	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 1,439'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5329' GR		22. APPROX. DATE WORK WILL START* 2nd Quarter 2003	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
Refer to Monument Butte Field SOP's Drilling Program/Casing Design			

Inland Production Company proposes to drill this well as an offset well in accordance with the attached exhibits.

The proposed well will offset the P&A Government 31-1-8-17.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Markie Crozier TITLE Regulatory Specialist DATE 4/10/03
(This space for Federal or State office use)

PERMIT NO. 43-013-32449 APPROVAL DATE 04-14-03
Application approval does not warrant or certify that the applicant holds legal or equitable title to the lands in the lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL DATE 04-14-03
ENVIRONMENTAL SCIENTIST III

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

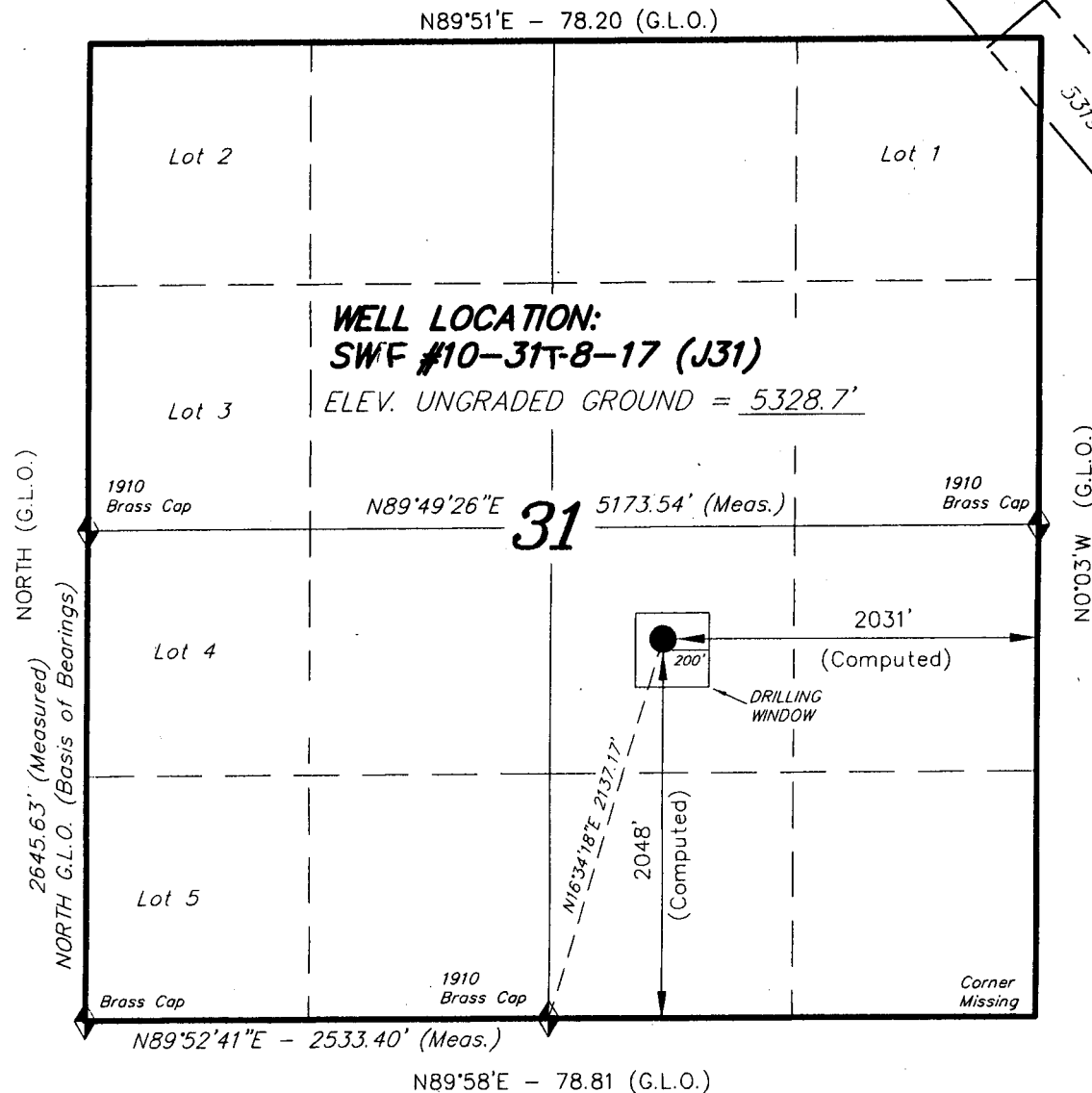
APR 11 2003

DIV OF OIL, GAS & MINING

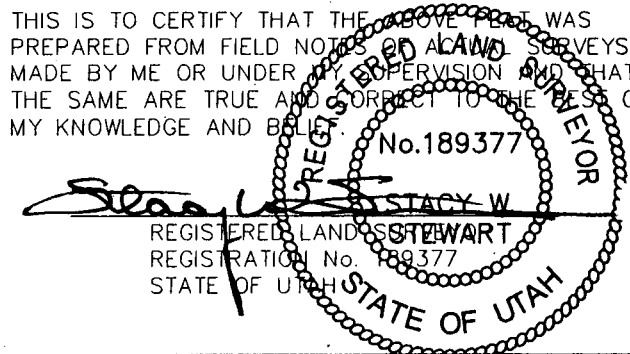
T8S, R17E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, SWF #10-31T-8-17 (J31),
LOCATED AS SHOWN IN THE NW 1/4 SE
1/4 OF SECTION 31, T8S, R17E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF A LAND SURVEY
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 4-2-03	DRAWN BY: R.V.C.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD
(MYTON SE)

SWU #10-31-8-17

(Surface Location)

LATITUDE = 40° 04' 21.96"

LONGITUDE = 110° 02' 49.63"

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 14, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2003 Plan of Development, Sand Wash Unit
Duchesne County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2002 within the Sand Wash Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Green River)

43-013-32448	Sand Wash Fed 15-31-8-17 Sec. 31 T08S R17E 2018 FSL 2027 FEL	BHL 0660 FSL 1980 FEL
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43-013-32449	Sand Wash Fed 10-31T-8-17 Sec. 31 T08S R17E 2048 FSL 2031 FEL	
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This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Sand Wash Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-14-3

**INLAND PRODUCTION COMPANY
SAND WASH FEDERAL #10-31T-8-17
NW/SE SECTION 31, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY
SAND WASH FEDERAL #10-31T-8-17
NW/SE SECTION 31, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Sand Wash Federal #10-31T-8-17 located in the NW ¼ SE ¼ of Section 31, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles ± to its junction with an existing dirt road to the southwest; proceed southwesterly - 0.9 miles ± to its junction with the beginning of the proposed access road; proceed along the proposed access road - 290' ± to the proposed well pad.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Paleontological Resource Survey and Archaeological Resource Survey for this area are on file with the Bureau of Land Management.

Inland Production Company requests a 60' ROW for the Sand Wash Federal #10-31T-8-17 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."**

Inland Production Company also requests a 60' ROW be granted for the Sand Wash Federal #10-31T-8-17 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."**

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #10-31T-8-17 NW/SE Section 31, Township 8S, Range 17E: Lease UTU-74869 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/10/03

Date

Mandie Crozier
Mandie Crozier
Regulatory Specialist

Well No.: Sand Wash Federal #10-31T-8-17

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Sand Wash Federal #10-31T-8-17

API Number:

Lease Number: UTU-74869

Location: NW/SE

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL

CULTURAL RESOURCES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

PALEONTOLOGICAL RESOURCES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

SOILS, WATERSHEDS, AND FLOODPLAINS

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

WILDLIFE AND FISHERIES

See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

FERRUGINOUS HAWK: Due to this proposed well location's proximity (less than 0.5 mile) to an existing inactive ferruginous hawk nest site, no new construction or surface disturbing activities will be allowed between February 15 and May 30. If the nest remains inactive on May 30th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location after that date. If the nest site becomes active prior to May 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

BURROWING OWL: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. If new construction or surface disturbing activities are scheduled between April

1 and July 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

MOUNTAIN PLOVER: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the 2002 USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

LOCATION AND RESERVE PIT RECLAMATION

During construction of the reserve pit, a small amount of topsoil shall be stockpiled nearby, to be spread over the reserve pit area at the time the reserve pit is reclaimed.

The topsoil stockpile shall be reseeded immediately after site construction by broadcasting the seed, then walking the topsoil stockpile with the dozer to plant the seed.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Gardner saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Mat saltbush	<i>Atriplex corrugata</i>	4 lbs/acre
Galleta grass	<i>Hilaria jamesii</i>	4 lbs/acre

The reserve pit shall be reclaimed immediately after drilling operations have ceased. The pit shall be reclaimed by: 1) removing all liquids and any oily debris according to Utah Division of Oil, Gas, & Mining pit closure rules; 2) perforating and folding the liner in place; 3) recontouring the surface; 4) broadcasting the seed over the recontoured surface; and 5) walking the surface of the pit with a dozer to plant the seed.

At the time of final abandonment, the location and access will be recontoured to natural topography and topsoil spread over the area and the surface seeded immediately.

PIPELINES

Installation of a surface gas pipeline and/or any subsequent buried gas or water pipelines will follow the conditions of approval outlined above.

Except as specified in the APD, the installation of the surface gas line and any subsequent buried pipelines will follow the edge of the existing roadways without interfering with the normal travel and maintenance of the roadway.

The installation of any buried pipelines will disturb as little surface as possible and will not exceed 60 feet in width. Reclamation of the disturbance area associated with buried pipelines will be completed within 10 days after installation. The surface will be

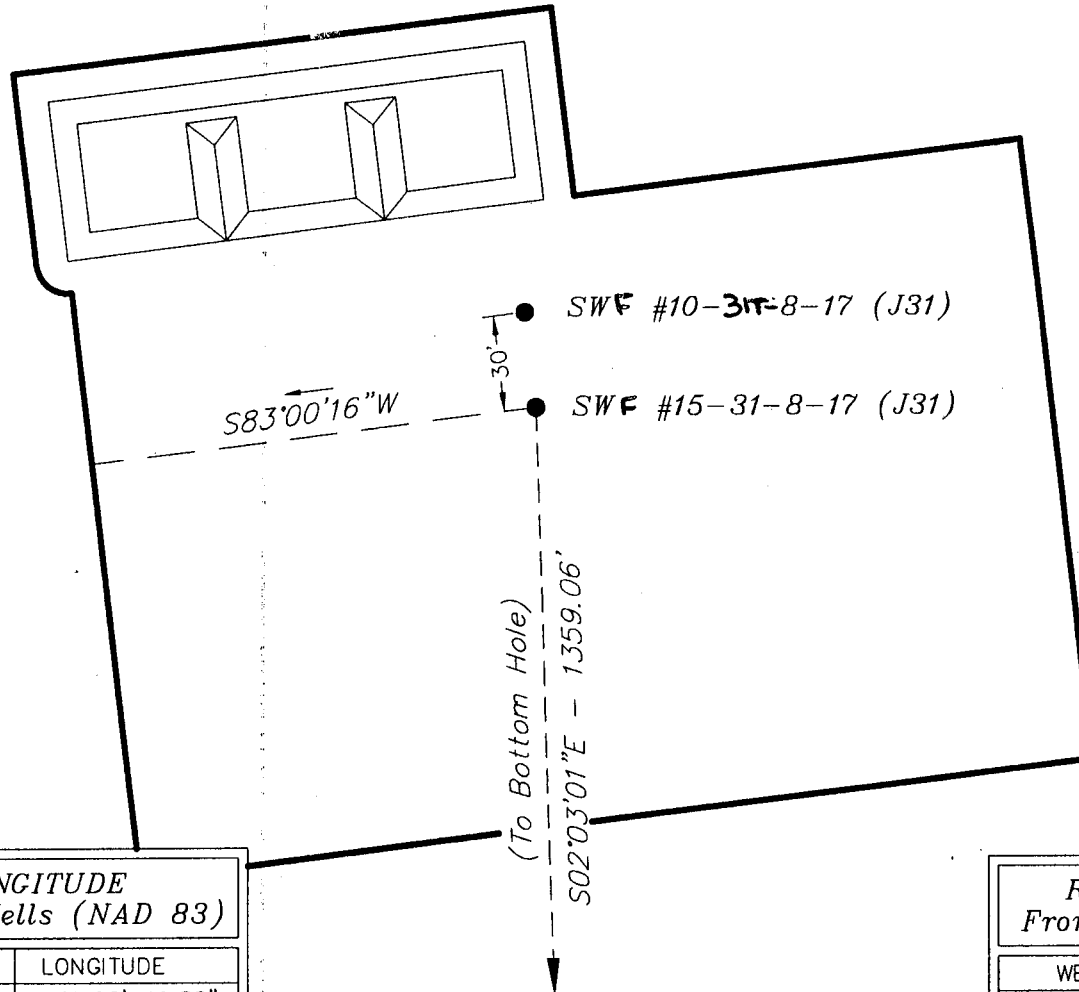
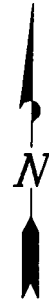
recontoured to natural or near natural contours. Reseeding will be with the same seed mixture specified for reclamation of the reserve pit and well site. The interface of the buried line disturbance area and the edge of any adjacent access roads will be constructed with a borrow ditch and road berm to minimize vehicular travel along the water line route.

INLAND PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

WELL PAD (J31-8-17)

Section 31, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

SWU #15-31-8-17 (J31)

2018' FSL & 2027' FEL

SWU #10-31-8-17 (J31)

2048' FSL & 2031' FEL

BOTTOM HOLE FOOTAGES

SWU #15-31-8-17 (J31)

660' FSL & 1980' FEL

SWU #10-31-8-17 (J31)

Vertical

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
15-31	40° 04' 21.66"	110° 02' 49.58"
10-31	40° 04' 21.96"	110° 02' 49.63"

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
15-31	-1,358'	49'
10-31	Vertical	

SURVEYED BY: K.G.S.

SCALE: 1" = 60'

DRAWN BY: R.V.C.

DATE: 4-3-03

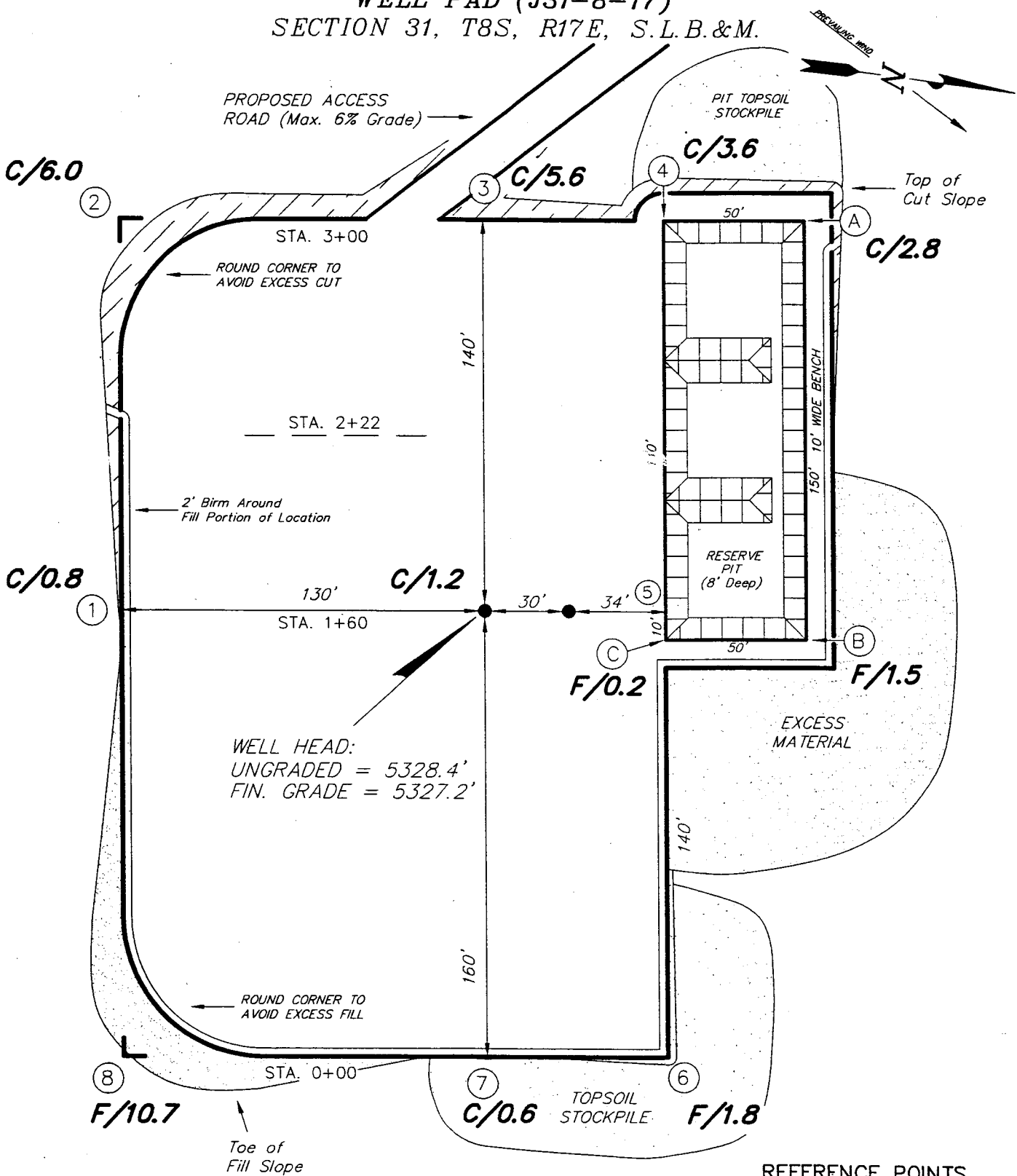
Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY

WELL PAD (J31-8-17)
SECTION 31, T8S, R17E, S.L.B.&M.



REFERENCE POINTS

210' EAST = 5326.9'
260' EAST = 5326.6'

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

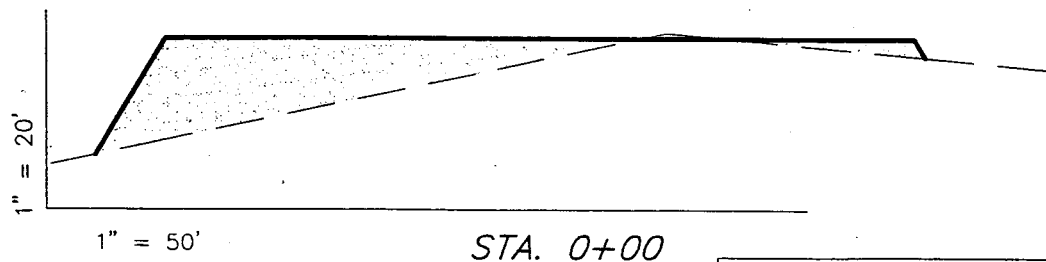
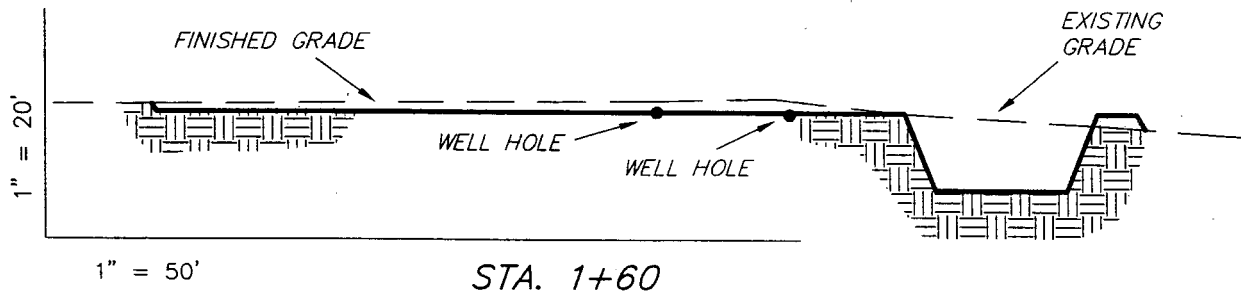
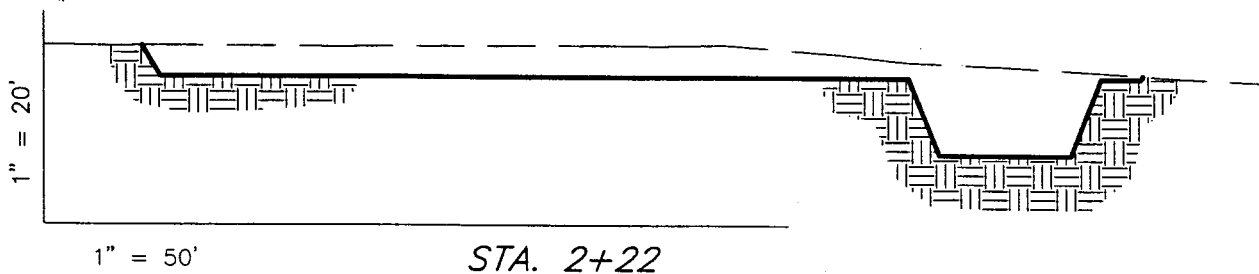
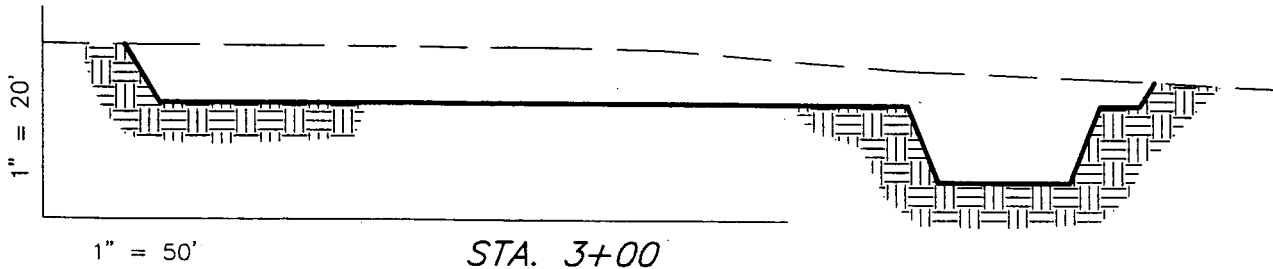
DRAWN BY: R.V.C.

DATE: 4-3-03

Tri State
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

INLAND PRODUCTION COMPANY
CROSS SECTIONS
WELL PAD (J31-8-17)



NOTE:
 UNLESS OTHERWISE NOTED
 ALL CUT/FILL SLOPES ARE
 AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES

(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,170	3,170	Topsoil is not included in Pad Cut	0
PIT	1,620	0		1,620
TOTALS	4,790	3,170	1,270	1,620

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 4-3-03

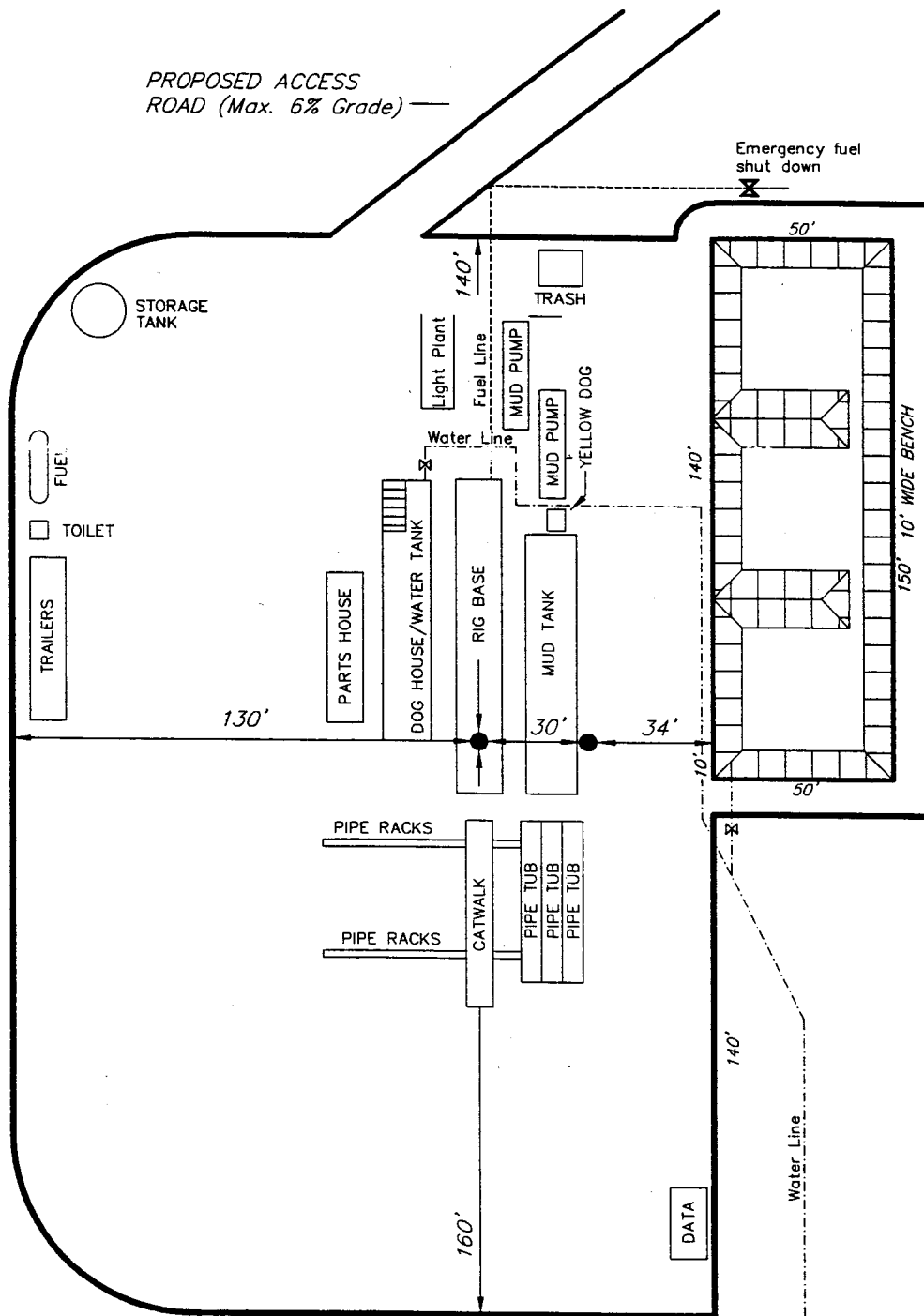
Tri State
 Land Surveying, Inc.

(435) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT WELL PAD (J31-8-17)



SURVEYED BY: K.G.S.

SCALE: 1" = 50'

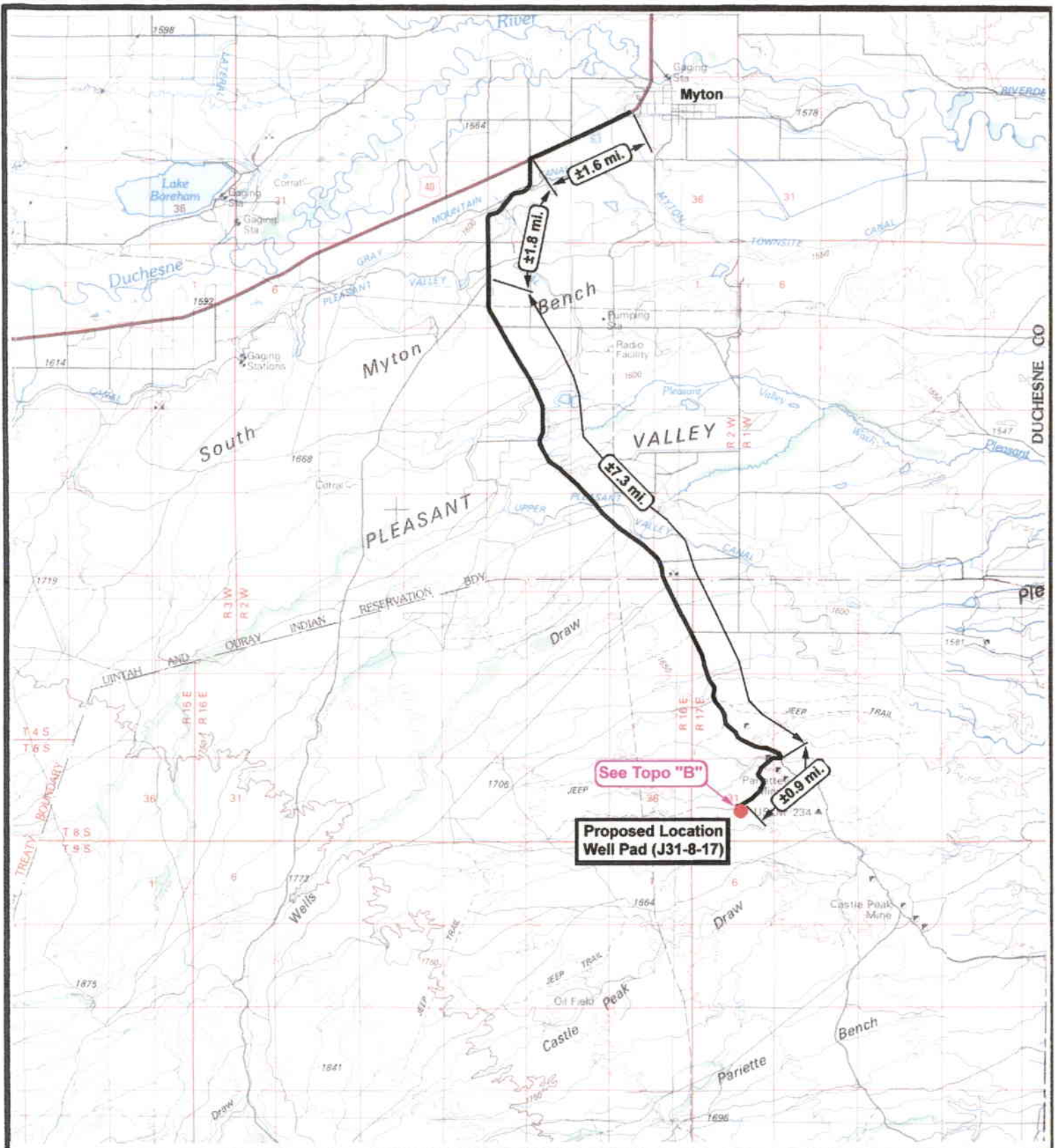
DRAWN BY: R.V.C.

DATE: 4-3-03

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38 WEST 100 NORTH VERNAL, UTAH 84078



RESOURCES INC.

Well Pad (J31-8-17)
SEC. 31, T8S, R17E, S.L.B.&M.



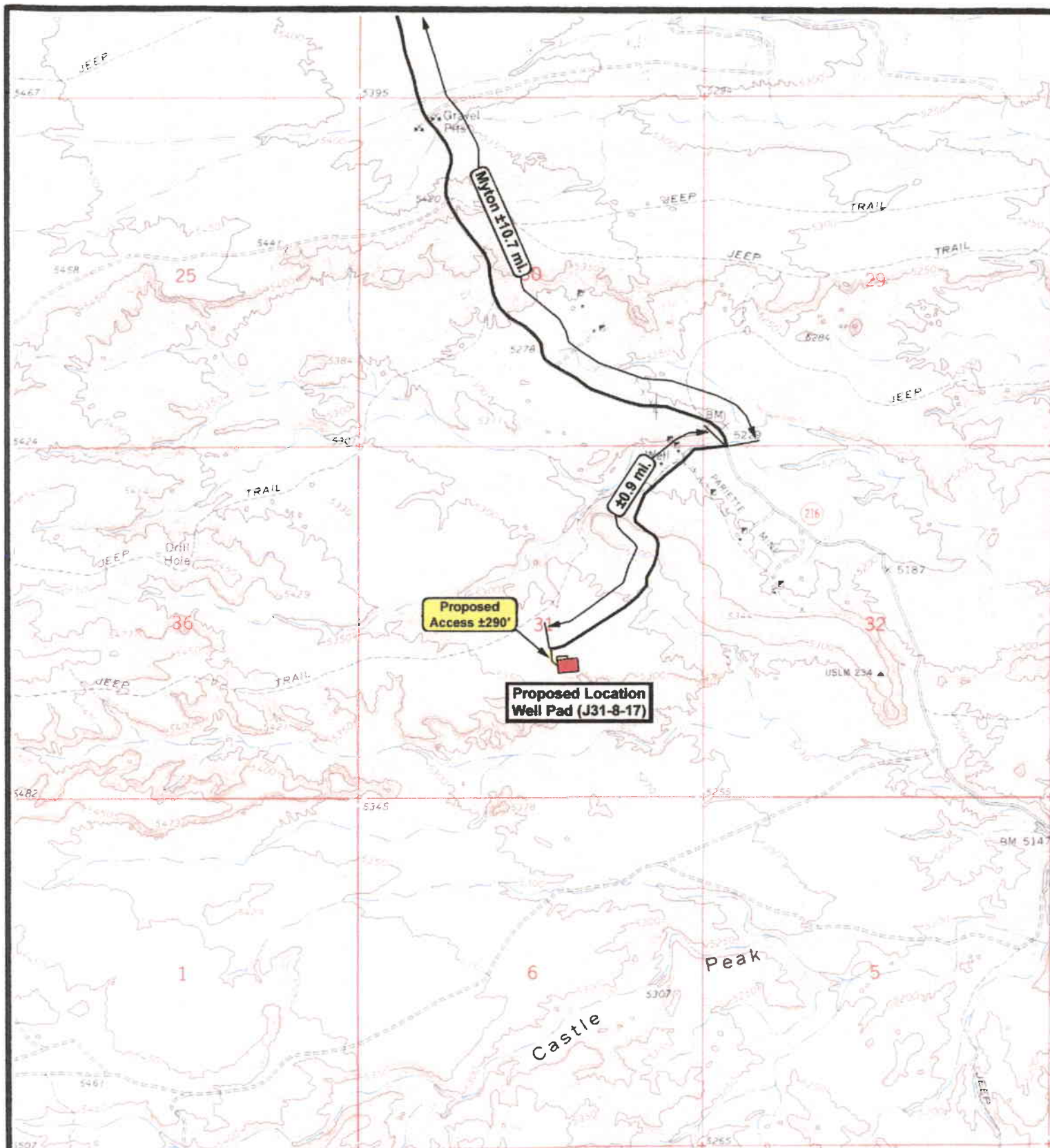
Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
 DRAWN BY: R.A.B.
 DATE: 04-04-2003

Legend
 Existing Road
 Proposed Access

TOPOGRAPHIC MAP

"A"



Well Pad (J31-8-17)
SEC. 31, T8S, R17E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: R.A.B.

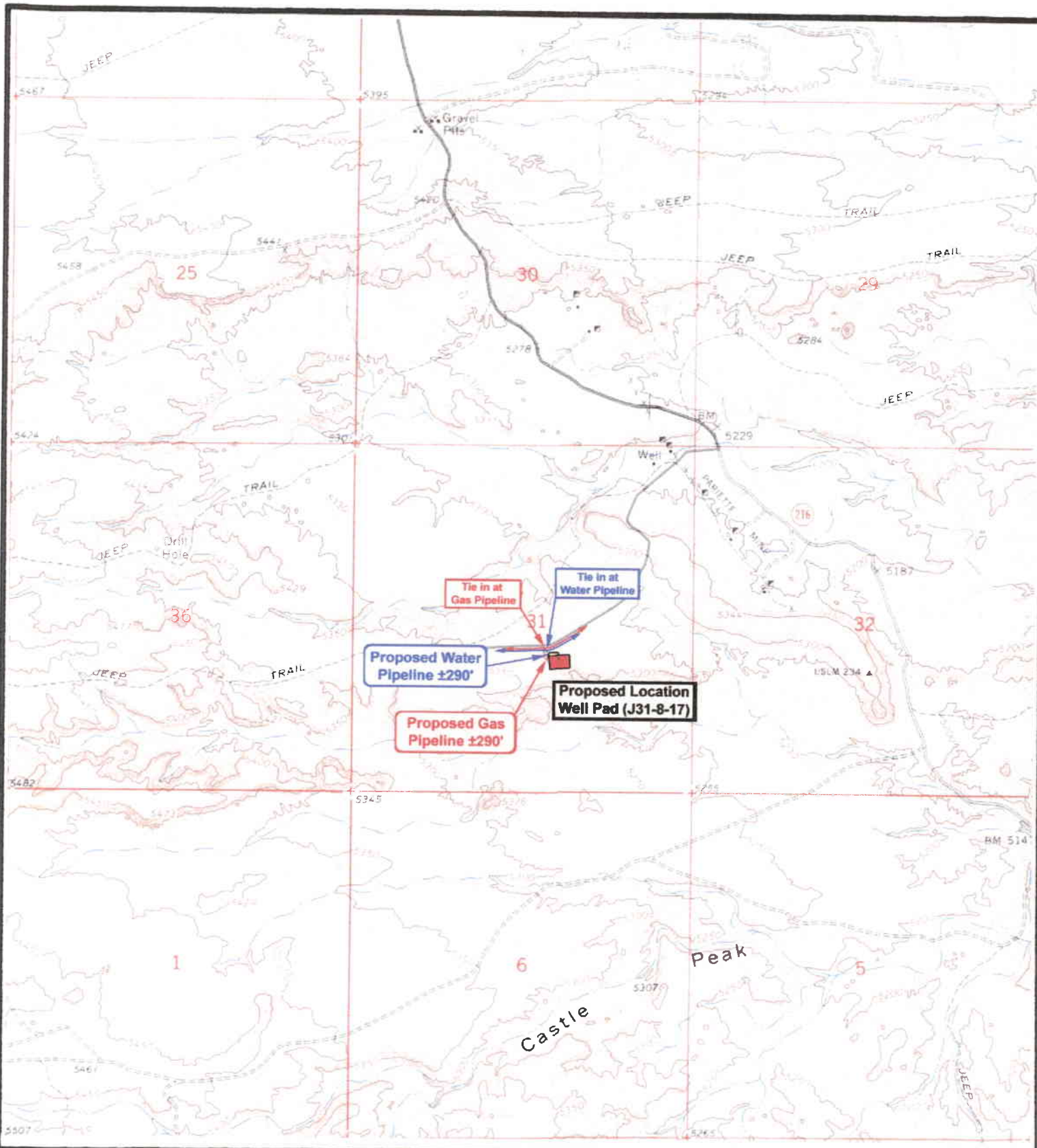
DATE: 04-04-2003

Legend

Existing Road
 Proposed Access

TOPOGRAPHIC MAP

"B"



Well Pad (J31-8-17)
SEC. 31, T8S, R17E, S.L.B.&M.



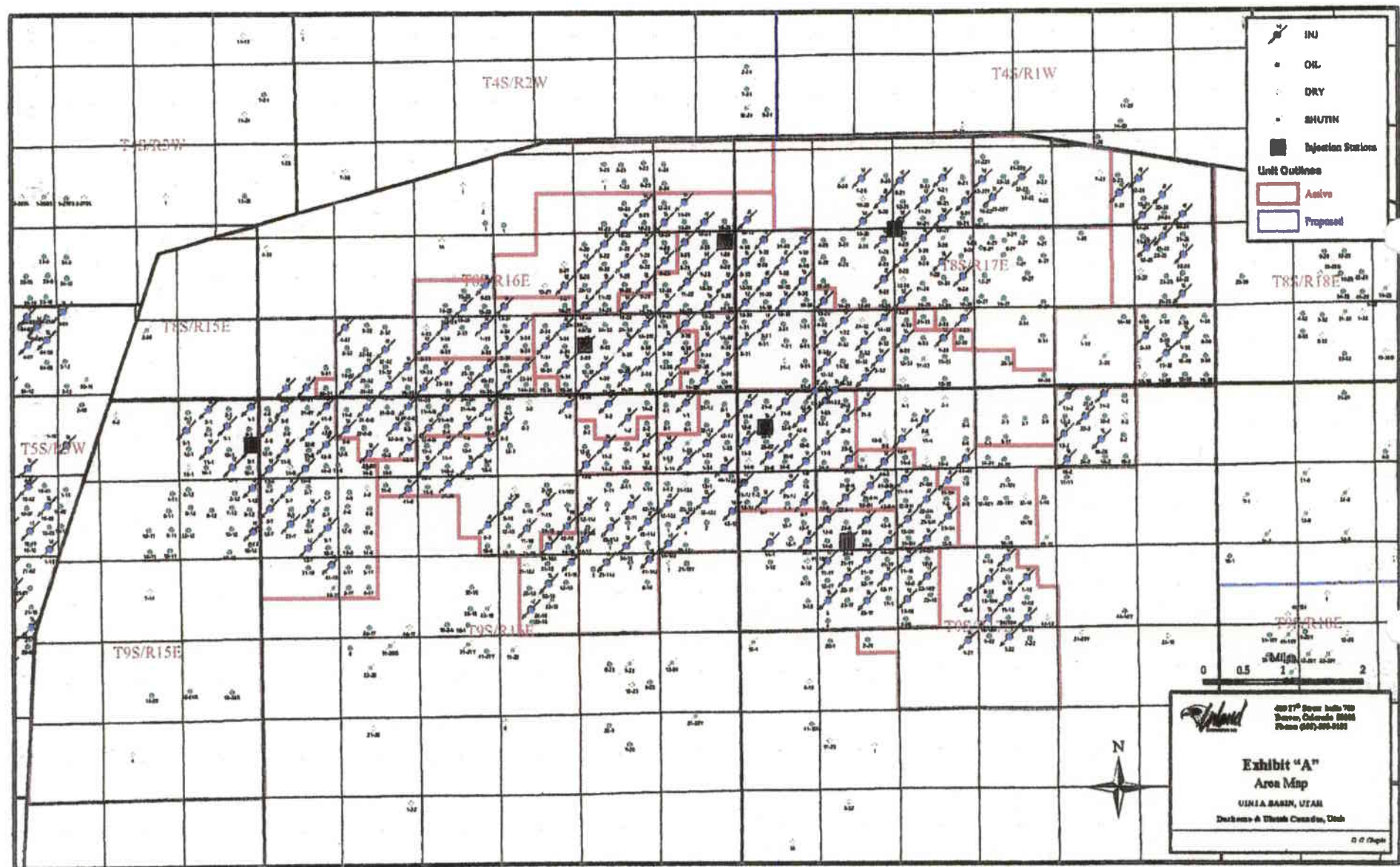
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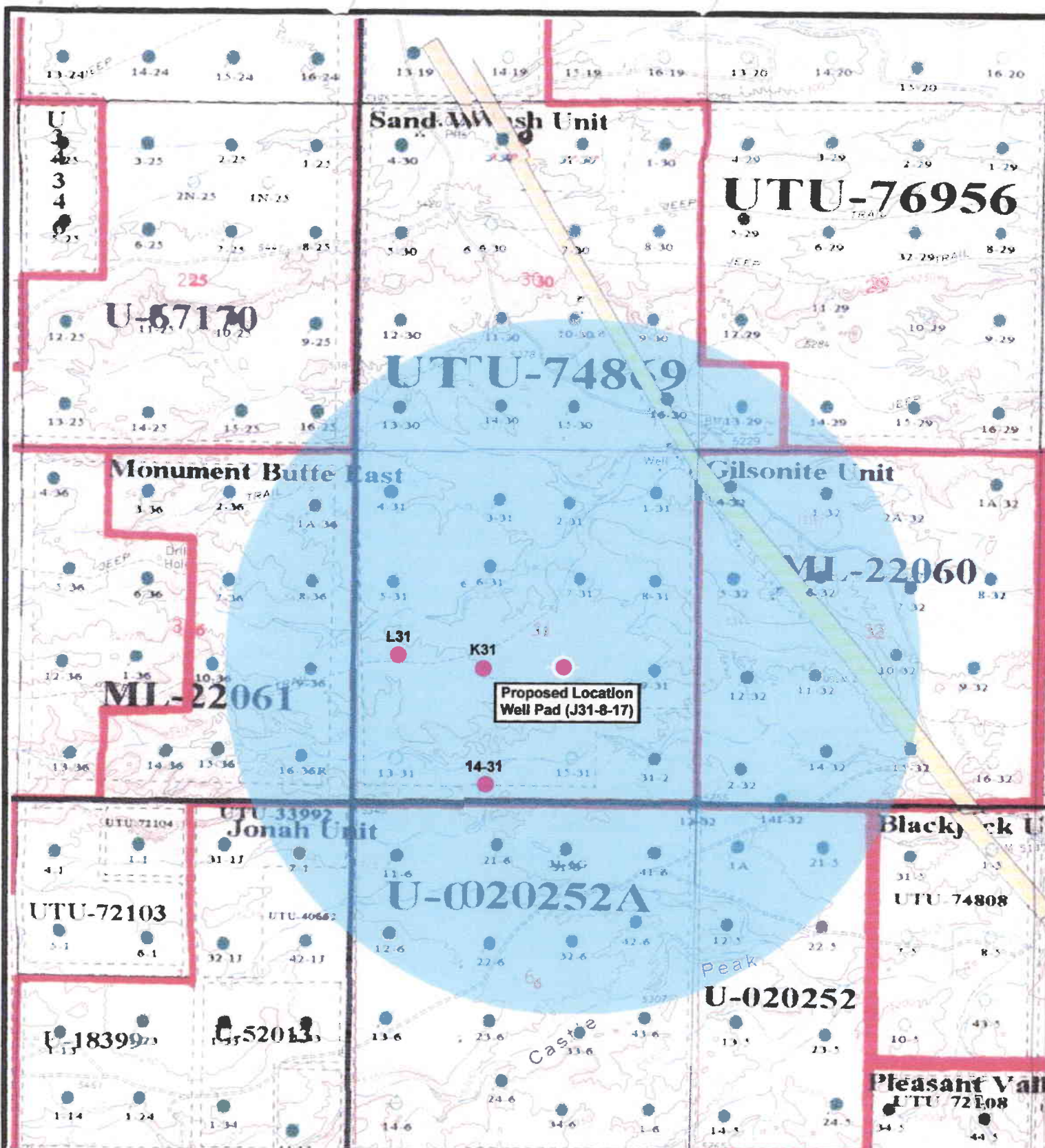
SCALE: 1" = 2,000'
 DRAWN BY: R.A.B.
 DATE: 04-07-2003

Legend

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"





Well Pad (J31-8-17)
SEC. 31, T8S, R17E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 04-04-2003

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

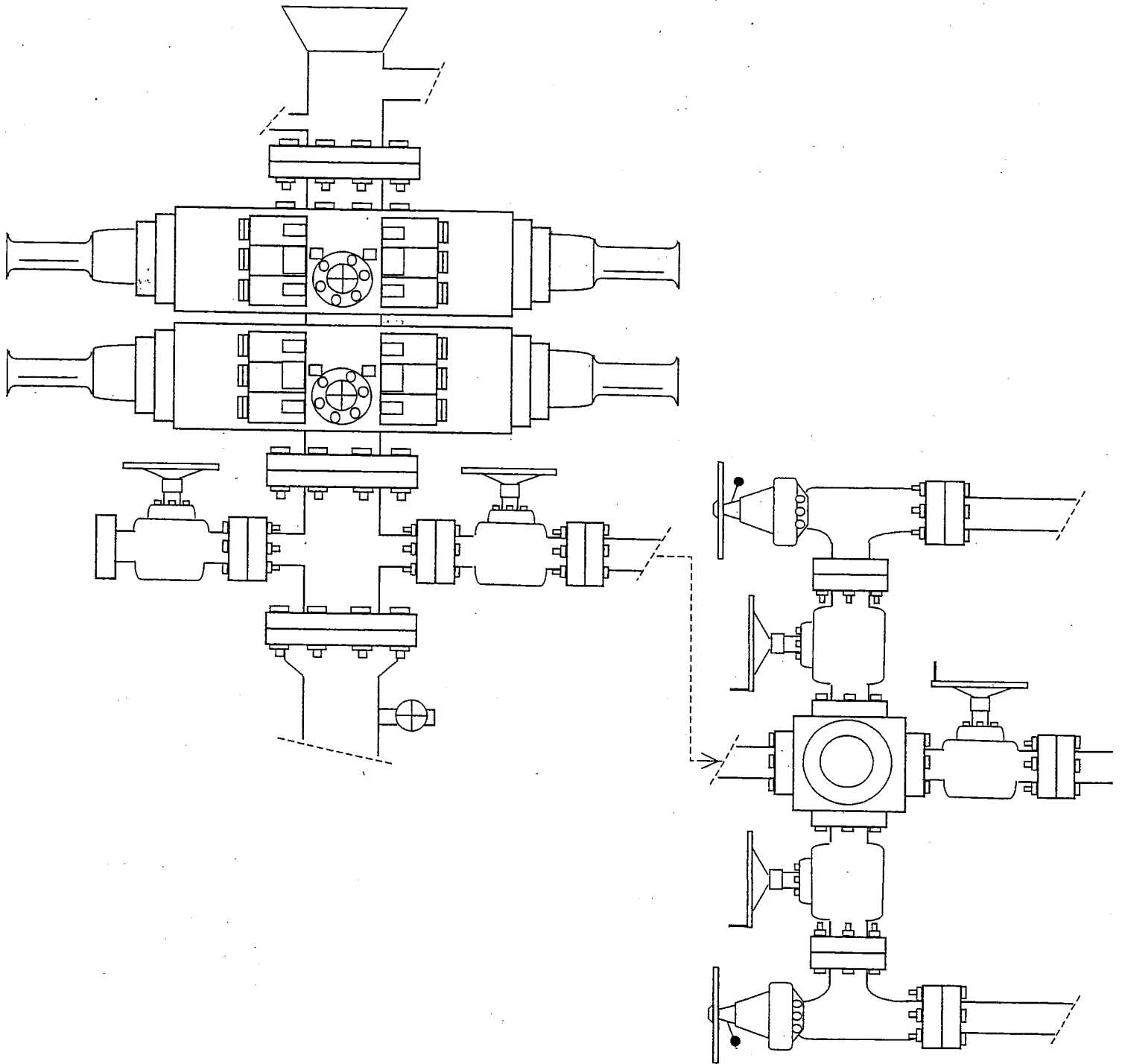


EXHIBIT C

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/11/2003

API NO. ASSIGNED: 43-013-32449

WELL NAME: SAND WASH FED 10-31T-8-17

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 31 080S 170E

SURFACE: 2048 FSL 2031 FEL

BOTTOM: 2048 FSL 2031 FEL

DUCHESNE

MONUMENT BUTTE (105)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74869

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.07285

LONGITUDE: 110.04623

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit SAND WASH (GREEN RIVER)✓

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 229-2

Eff Date: 11-4-97

Siting: Suspends General Siting

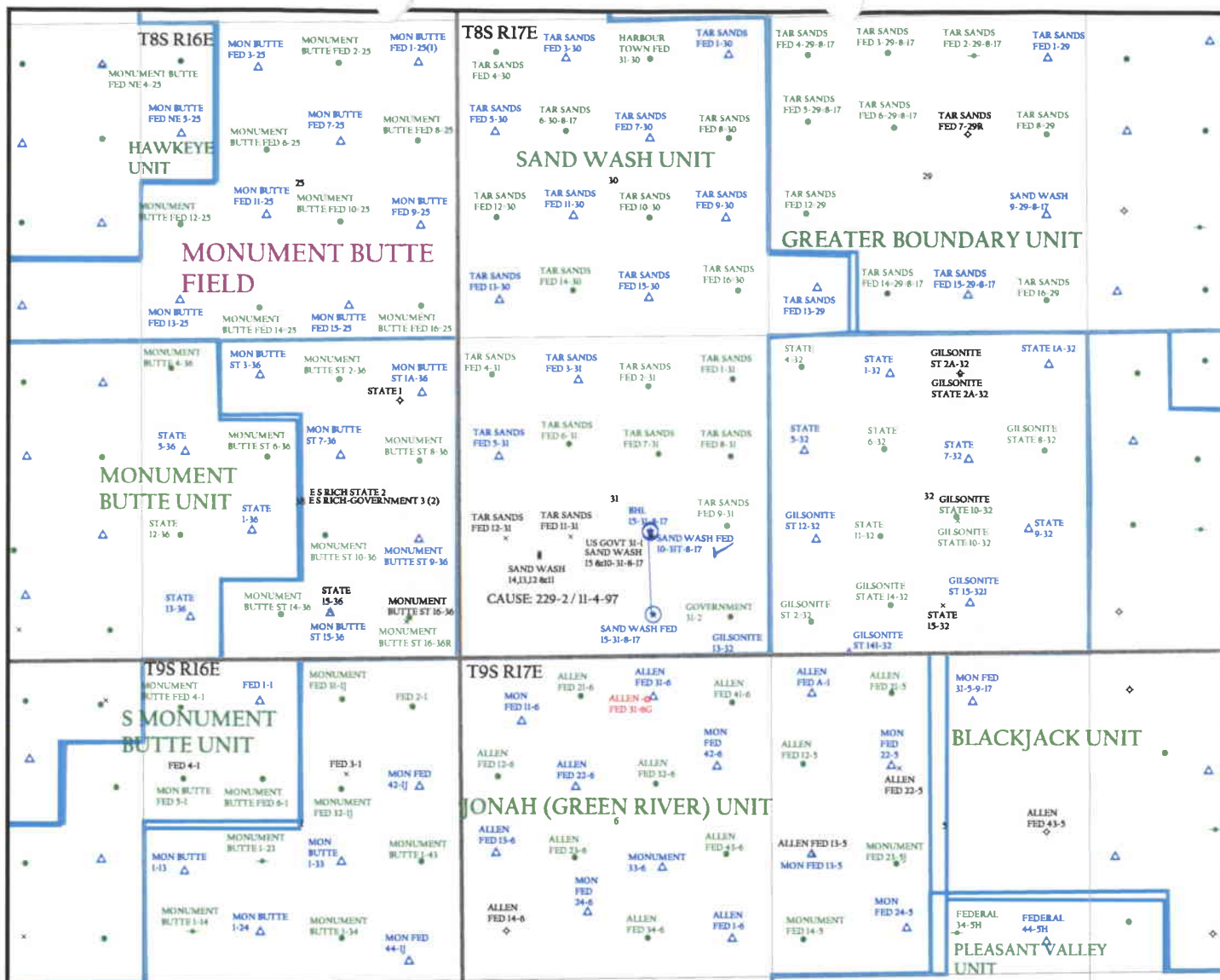
R649-3-11. Directional Drill

COMMENTS:

Sop, Seperate file

STIPULATIONS:

1- Federal Approval



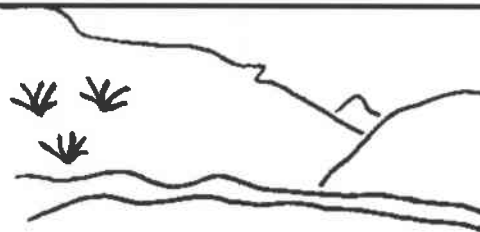
OPERATOR: INLAND PRODUCTION (N5160)

SEC. 31 T8S, R17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 229-2 / 11-4-97



Utah Oil Gas and Mining

WELLS

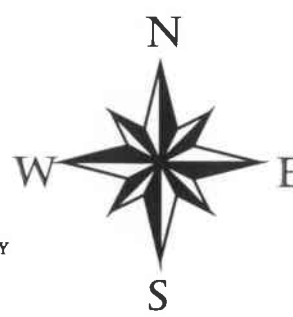
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON
DATE: 14-APRIL-2003



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

April 14, 2003

Inland Production Company
Route #3, Box 3630
Myton, UT 84052

Re: Sand Wash Federal 10-31T-8-17 Well, 2048' FSL, 2031' FEL, NW SE, Sec. 31,
T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32449.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza', written over a large, stylized 'J' that loops around the text.

John R. Baza
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company
Well Name & Number Sand Wash Federal 10-31T-8-17
API Number: 43-013-32449
Lease: UTU-74869

Location: NW SE **Sec.** 31 **T.** 8 South **R.** 17 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐

1b. TYPE OF WELL

OIL GAS SINGLE MULTIPLE
WELL ☒ WELL ☐ OTHER ☐ ZONE ☒ ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

Route #3 Box 3630, Myton, UT 84052

Phone: (435) 646-3721

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At Surface

NW/SE

2048' FSL 2031' FEL

At proposed Prod. Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 11.6 miles south of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY
OR LEASE LINE, FT. (Also to

Approx. 2031' f/lse line & 2031' f/unit line

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL.
DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approx. 1,439'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5329' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well as an offset well in accordance with the attached exhibits.

The proposed well will offset the P&A Government 31-1-8-17.

The Conditions of Approval are also attached.

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Sand Wash

8. FARM OR LEASE NAME WELL NO

Sand Wash Federal #10-31T-8-17

9. API WELL NO.

43-013-32449

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

NW/SE

Sec. 31, T8S, R17E

12. County

Duchesne

13. STATE

UT

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Martha Crozier

TITLE

Regulatory Specialist

DATE

4/10/03

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

NOTICE OF APPROVAL

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Edwin L. Brown

TITLE

Assistant Field Manager
Mineral Resources

DATE

1/13/04

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company.

Well Name & Number: Sandwash 10-31T-8-17

API Number 43-013-32449

Lease Number: U-74869

Location: NWSE Sec. 31 T.8S R. 17E

Agreement: Sandwash Unit

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well
This submission will replace the requirement for submittal of paper logs to the BLM.**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874
Petroleum Engineer

Kirk Fleetwood (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Ferruginous Hawks: No construction or drilling shall be allowed between March 1 to July 15 to protect the birds during their nesting/ reproductive season. A hospital muffler or multi-cylinder engine shall be installed on the pumping unit to reduce noise levels in the area for potential nesting raptors. Also, the nests would be inspected prior to starting construction to determine if the nests are still inactive. If either of the nests were to become active, no drilling would be allowed until the active nest or nests were inactive for another two years.

Mountain Plovers: According to the timeframes listed below and prior to new construction and drilling activities, a detailed survey of the area within 0.5 mile of the proposed location and 300 feet either side of the center line of the proposed access roads shall be made by a qualified biologist or designated staff of the AO to detect the presence of plovers. Extreme care would be exercised to locate plovers due to their secretive and quiet nature. Where possible, the survey would first be made from a stationary vehicle. All plovers located will be observed long enough to determine if a nest is present. If no visual sightings are made from the vehicle, the area will be surveyed again on foot.

Starting Date of Construction or Drilling Activity	Number of Surveys
From March 15 through April 15	1
From April 16 through July 15	2
From July 16 through August 15	1

The surveys will be conducted no more than 14 days prior to the date actual construction or drilling activities begin. If two surveys are require, they will be made at least 14 days apart with the last survey no more than 14 days prior to the start-up date.

If an active nest or chicks were to be found in the area, the planned activity would be delayed until the chicks are out of downy plumage, the brood vacates the area of influence, or the nest failed.

Burrowing Owls: The proposed project shall avoid disturbance to prairie dogs holes by moving roads and locations where possible. No construction or drilling will be allowed during the nesting season of April 1 to Aug. 15. If operator would request to construct the location during the nesting season, a certified biologist could survey the area to determine if owls are present. If no owls were present in the proposed project area by May 30, construction could be allowed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

SAND WASH FEDERAL 10-31T-8-17

9. API Well No.

43-013-32449

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well



Oil
Well



Gas
Well



Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2048 FSL 2031 FEL NW/SE Section 31, T8S R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

Permit Extension



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/14/03 (expiration 4/14/04).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04-13-04

By:

RECEIVED

APR 12 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier
Mandie Crozier

Title

Regulatory Specialist

Date

4/8/2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-32449
Well Name: Sand Wash Federal 10-31T-8-17
Location: NW/SE Section 31, T8S R17E
Company Permit Issued to: Inland Production Company
Date Original Permit Issued: 4/14/2003

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandi Crozier
Signature

4/8/2004

Date

Title: Regulatory Specialist

Representing: Inland Production Company

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: INLAND PRODUCTION COMPANYWell Name: SAND WASH 10-31T-8-17Api No: 43-013-32449 Lease Type: FEDERALSection 31 Township 08S Range 17E County DUCHESNEDrilling Contractor ROSS DRILLING RIG # 15**SPUDDED:**Date 07/06/04Time 9:00 AMHow DRY**Drilling will commence:** _____Reported by FLOYD MITCHELLTelephone # 1-435-823-3610Date 07/06/2004 Signed CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
B	99999	12704 ✓	43-013-32508	Blackjack Federal 2-10-9-17	NW/NE	10	9S	17E	Duchesne	June 25, 2004	7/8/04
WELL 1 COMMENTS: <i>GRRV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
A	99999	14211	43-013-32577	Ashley State 13-2-9-15	SW/SW	2	9S	15E	Duchesne	June 26, 2004	7/8/04
WELL 2 COMMENTS: <i>GRRV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
B	99999	12308 ✓	43-013-32449	Sandwash Federal 10-31T-8-17	NW/SE	31	8S	17E	Duchesne	July 6, 2004	7/8/04
WELL 3 COMMENTS: <i>GRRV</i>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
WELL 4 COMMENTS:											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(SN#)

RECEIVED
JUL 08 2004

DIV. OF OIL, GAS & MINING

Kebbie S. Jones
Signature

Kebbie S. Jones

Production Clerk
Title

July 8, 2004
Date

K

K

K

INLAND

4356453031

07/08/2004 08:27

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2048 FSL 2031 FEL NW/SE Section 31, T8S R17E

5. Lease Designation and Serial No.

UTU-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

SAND WASH FEDERAL 10-31T-8-17

9. API Well No.

43-013-32449

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud Notice

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 07/06/04 MIRU Ross # 15. Spud well @ 9:00 AM Drill 317' of 12 1/4 hole with air mist, TIH w/7 Jts 8 5/8 J55 24# csgn. Set @ 321.17'/KB. On 07/08/04. Cement with 150 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 4 bbls cement returned to surface. WOC.

RECEIVED

JUL 12 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Floyd Mitchell Title Drilling Foreman Date 07/08/04
Floyd Mitchell

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 321.17

LAST CASING 8 5/8" SET AT 313'
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 317' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company
 WELL Sandwash 10-31T-8-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross # 15

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		43.66' SH jt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	309.32
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		311.17
TOTAL LENGTH OF STRING			311.17	7	LESS CUT OFF PIECE		2
LESS NON CSG. ITEMS			1.85		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			0		CASING SET DEPTH		321.17
TOTAL			309.32	7	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			309.32	7			
TIMING			1ST STAGE				
BEGIN RUN CSG. Spud			7/6/04	9:00 AM	GOOD CIRC THRU JOB YES		
CSG. IN HOLE			7/7/2004		Bbls CMT CIRC TO SURFACE 4 BBLS		
BEGIN CIRC			7/8/2004	8:02 AM	RECIPROCATED PIPE I N/A		
BEGIN PUMP CMT			7/8/2004	8:16 AM	DID BACK PRES. VALVE HOLD ? N/A		
BEGIN DSPL. CMT			7/8/2004	8:27	BUMPED PLUG TO 680 PSI PSI		
PLUG DOWN			Cemented	7/8/2004	8:36 AM		
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	150	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
RECEIVED							
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third for 3				JUL 12 2004			
DIV. OF OIL, GAS & MINING							

COMPANY REPRESENTATIVE Floyd Mitchell DATE 7/8/2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Bureau No. 1004-0135
Expires: March 31, 1993

011

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2048 FSL 2031 FEL NW/SE Section 31, T8S R17E

5. Lease Designation and Serial No.

UTU-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

SAND WASH FEDERAL 10-31T-8-17

9. API Well No.

43-013-32402

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Weekly Status Report**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 07/14/04. MIRU Patterson # 155. Set equipment. Pressure test Bop's, Kelly, & TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU BHA and tag cement @ 170'. Drill out cement & shoe. Continue to drill a 77/8" hole with fresh water to a depth of 6185'. Lay down drill string, BHA. Open hole log from TD to surface. PU & MU guide shoe, 1 jt 51/2" J-55 15.5 # csgn. Float collar, & 145 Jt's 51/2" J-55 15.5# csgn. Set @ 6171.12'/KB. Cement with 300 sks Prem Lite II w/ 3% KCL, 10% Gel, 3#"s sk CSE, 2#"s sk Kolseal, 5% Sms, 1/4# sks Celloflake. Mixed @ 11.0 ppg, >3.43 yld. Followed by 450 sks 50/50 Poz w/ 3% KCL, 2% Gel, .05% Static free, 1/4# sk Celloflake .3%SM. Mixed @ 14.4 ppg, > 1.24 yld. Good returns with 5 BBLS good cement to pit. Nipple down BOP's. Drop slips @ 90,000 # 's tension. Clean pit's & release rig @ 12:00 AM on 07-20-04.

14. I hereby certify that the foregoing is true and correct

Signed

Floyd Mitchell
Floyd Mitchell

Title

Drilling Foreman

Date

July 20 2004

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

JUL 21 2004

DIV. OF OIL, GAS & LEASES

5 1/2" CASING SET AT 6171.12Flt cllr @ 6127'LAST CASING 8 5/8" SET AT 316'OPERATOR Inland Production CompanyDATUM 12' KBWELL Sandwash 10-31T-8-17DATUM TO CUT OFF CASING 12FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Patterson 155TD DRILLER 6185' Logger TD 6183'HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6.11' @ 4015' KB					
145	5 1/2"	MAV LT & C casing	15.5#	J-55	8rd	A	6115.29
		Float collar					0.6
1	5 1/2"	MAV LT & C casing	15.5#	J-55	8rd	A	42.58
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6173.12
TOTAL LENGTH OF STRING		6173.12	146	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		85.1	2	CASING SET DEPTH			6171.12
TOTAL		6242.97	148	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6242.97	148				
TIMING			2nd STAGE				
BEGIN RUN CSG.		7/19/2004	1:00 PM	GOOD CIRC THRU JOB Yes			
CSG. IN HOLE		7/19/2004	4:30 PM	Bbls CMT CIRC TO SURFACE 5 BBLS			
BEGIN CIRC		7/19/2004	4:30 PM	RECIPROCATED PIPE I N/A THRUSTROKE			
BEGIN PUMP CMT		7/19/2004	6:21 PM	DID BACK PRES. VALVE HOLD ? Yes			
BEGIN DSPL. CMT		7/19/2004	7:15 PM	BUMPED PLUG TO 2190 PSI			
PLUG DOWN		7/19/2004	7:42 PM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Floyd MitchellDATE 7/20/2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

012

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPlicate - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2048 FSL 2031 FEL

NW/SE Section 31 T8S R17E

5. Lease Serial No.

UTU74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

SAND WASH UNIT

8. Well Name and No.

SANDWASH FEDERAL 10-31T-8-17

9. API Well No.

4301332449

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 07/28/04 - 08/16/04

Subject well had completion procedures initiated in the Green River formation on 7/28/04 without the use of a service rig over the well. A cement bond log was run and a total of seven Green River intervals were perforated and six were hydraulically fracture treated w/ 20/40 mesh sand. Perf intervals were #1 (5494-5514') (4 JSPF); #2 (5362-5376'), (5346-5356') (All 4 JSPF); #3 (5270-5278') (4 JSPF) [not fraced]; #4 (5046-5053') (4 JSPF); #5 (4936-4940'), (4871-4881') (ALL 4 JSPF); #6 (4597-4606') (4 JSPF); #7 (4442-4452') (4 JSPF). Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved on well on 8/4/04. Bridge plugs were drilled out. Well was cleaned out to PBTD @ 6129'. Zones were swab tested for sand cleanup. A BHA & production tbq string were run in and anchored in well. End of tubing string @ 5673'. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 8/16/04.

RECEIVED

AUG 19 2004

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Marnie Bryson

Title

Production Clerk

Signature

Marnie Bryson

Date

8/18/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

013

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 2048' FSL & 2031' FEL (NW SE) Sec. 31, T8S, R17E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32449 DATE ISSUED 4/14/2003

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 7/6/2004 16. DATE T.D. REACHED 7/19/2004 17. DATE COMPL. (Ready to prod.) 8/16/2004 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5329' GL 5341' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6185' 21. PLUG BACK T.D., MD & TVD 6129' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4442'-5514'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	321'	12-1/4"	To surface with 150 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6171'	7-7/8"	300 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5673'	TA @ 5471'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
(LODC) 5494'-5514'	.41"	4/80	5494'-5514' Frac w/ 74,240# 20/40 sand in 595 bbls fluid.
(A3) 5346-56', 5362-76'	.41"	4/96	5346'-5376' Frac w/ 126,069# 20/40 sand in 878 bbls fluid.
(A.5) 5270-5278'	.41"	4/32	5270-5278' Left Un-fraced
(C-sd) 5046'-5053'	.41"	4/28	5046'-5053' Frac w/ 14,824# 20/40 sand in 229 bbls fluid.
(D1,2) 4936-40', 4871-4881'	.41"	4/56	4871-4940' Frac w/ 60,172# 20/40 sand in 477 bbls fluid.
(PB10) 4597-4606'	.41"	4/36	4597'-4606' Frac w/ 25,283# 20/40 sand in 292 bbls fluid.
(GB6) 4442-4452'	.41"	4/40	4442'-4452' Frac w/ 37,398# 20/40 sand in 360 bbls fluid.

33.* PRODUCTION

DATE FIRST PRODUCTION 8/16/2004	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE
PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 73	GAS--MCF 181
WATER--BBL. 9	GAS-OIL RATIO 2479	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
OIL-BBL.	GAS--MCF	WATER--BBL.
OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

SEP 23 2004

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Brian Harris TITLE Engineering Technician

DATE 9/17/2004

Brian Harris

BDH

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Sandwash Federal 10-31T-8-17	Garden Gulch Mkr	3873'	
				Garden Gulch 1	4070'	
				Garden Gulch 2	4186'	
				Point 3 Mkr		
				X Mkr	4691'	
				Y-Mkr	4726'	
				Douglas Creek Mkr	4852'	
				BiCarbonate Mkr	5084'	
				B Limestone Mkr	5202'	
				Castle Peak	5716'	
				Basal Carbonate	6138'	
				Total Depth (LOGGERS)	6185'	

Inland Resources Inc.

September 17, 2004

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attn: Ms. Carol Daniels

Ashley Federal 14-2-9-15 (43-013-32578)
Duchesne County, Utah

Sandwash Federal 10-31T-8-17 (43-013-32449)
Duchesne County, Utah

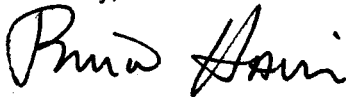
Blackjack Federal 12-10-9-17 (43-013-32505)
Duchesne County, Utah

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Pat Grissom of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,



Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File - Denver
Well File - Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver
Matt Richmond/Roosevelt

RECEIVED
SEP 23 2004
DIV. OF OIL, GAS & MINING

Alamo Plaza Building
1401 Seventeenth Street, Suite 1000
Denver, CO 80202
303-893-0102 • Fax: 303-893-0103



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office
From: Acting Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

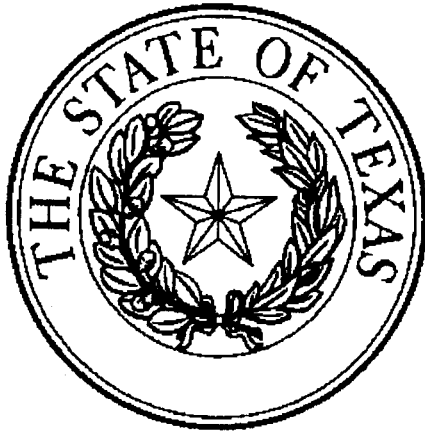
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET

014

Change of Operator (Well Sold)

Designation of Agent/Operator

ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

SAND WASH (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
SAND WASH FED 11-19-8-17	19	080S	170E	4301332374	12308	Federal	OW	DRL	K
SAND WASH FED 12-19-8-17	19	080S	170E	4301332375		Federal	OW	APD	K
SAND WASH FED 14-19-8-17	19	080S	170E	4301332376	12308	Federal	OW	DRL	K
TAR SANDS FED 13-29	29	080S	170E	4301331925	12308	Federal	WI	A	
TAR SANDS FED 8-30	30	080S	170E	4301331870	12308	Federal	OW	P	
TAR SANDS FED 9-30	30	080S	170E	4301331873	12308	Federal	WI	A	
TAR SANDS FED 15-30	30	080S	170E	4301331874	12308	Federal	WI	A	
TAR SANDS FED 1-30	30	080S	170E	4301331898	12308	Federal	WI	A	
TAR SANDS FED 2-31	31	080S	170E	4301331866	12308	Federal	OW	P	
SAND WASH FED 14-31-8-17	31	080S	170E	4301332443		Federal	OW	APD	K
SAND WASH FED 11-31-8-17	31	080S	170E	4301332444	12308	Federal	OW	P	K
SAND WASH FED 13-31-8-17	31	080S	170E	4301332445		Federal	OW	APD	K
SAND WASH FED 12-31-8-17	31	080S	170E	4301332446	12308	Federal	OW	P	K
SAND WASH FED 15-31-8-17	31	080S	170E	4301332448		Federal	OW	APD	K
SAND WASH FED 10-31T-8-17	31	080S	170E	4301332449	12308	Federal	OW	P	K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2048 FSL 2031 FEL

NWSE Section 31 T8S R17E

5. Lease Serial No.

USA UTU-74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

SANDWASH FEDERAL 10-31T-8-17

9. API Well No.

4301332449

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Analyst

Date

04/27/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

MAY 18 2010

DIV. OF OIL, GAS & MINING



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

JUL 06 2010

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RE: Underground Injection Control (UIC)
Additional Well to Sand Wash Area Permit
EPA UIC Permit UT20847-08790
Well: Sand Wash Federal 10-31T-8-17
NWSE Sec. 31 T8S-R17E
Duchesne County, Utah
API No.: 43-013-32449

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) hereby authorizes Newfield Production Company (Newfield) to convert the oil well Sand Wash Federal 10-31T-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Sand Wash Area Permit UT20847-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

RECEIVED

JUL 14 2010

DIV. OF OIL, GAS & MINING

If you have any questions, please call Tom Aalto at (303) 312-6949 or 1-(800)-227-8917 (Ext. 312-6949). Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
EPA-Annotated Wellbore and P&A Diagrams

cc Letter Only:

Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Stewart Pike, Councilman
Irene Cuch, Vice-Chairwoman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman
Richard Jenks, Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20847-00000

The Sand Wash Final Underground Injection Control (UIC) Area Permit UT20847-00000, effective May 26, 1998, authorizes injection for the purpose of enhanced oil recovery in the Sand Wash Unit. On April 29, 2010, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	Sand Wash Federal 10-31T-8-17
EPA Permit ID Number:	UT20847-08790
Location:	2,048' FSL & 2,031' FEL SENE Sec. 31 T8S-R17E Duchesne County, Utah API #43-013-32449

Pursuant to 40 CFR §144.33, Area UIC Permit UT20847-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit UT20847-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: JUL 06 2010

Stephen S. Tuber

*Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Sand Wash Federal (SWF) 10-31T-8-17**

EPA Well ID Number: **UT20847-08790**

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone; and
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

Approved Injection Zone: The approved injection zone for this well is from the top of Green River Formation, Garden Gulch 2 Member, to the top of the Wasatch Formation. The approved injection zone depth interval for this well is: 4,186 ft. – 6,258 ft.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP for this well is **815** psig. The initial MAIP is based on the following calculation:

$$\begin{aligned}\text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.623 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,442 \text{ ft. (top perforation depth)} \\ \text{Initial MAIP} &= \mathbf{815 \text{ psig}}\end{aligned}$$

FG = Fracture Gradient SG = Specific Gravity of Injectate (Maximum)

The UIC Area Permit provides the opportunity for the permittee to request a change of the initial MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. An EPA-annotated wellbore diagram is attached.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of Part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 on May 10, 2010 (original estimate date of May 16, 2008), which has been approved by EPA. The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment Plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- Plug No. 1: Set a cast iron bridge plug (CIBP) 50 ft. above the top injection zone perforations (at the time of this authorization, the top perforation is at 4,442 ft.). Set 100 ft. cement plug on top of the CIBP.
- Plug No. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona /Bird's Nest interval and the Mahogany Bench oil shale in a 172-foot cement plug from 2,998 ft. to 3,170 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a 172-foot cement plug inside the 5-1/2" casing from 2,998 ft. to 3,170 ft.
- Plug No. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,618 ft., in a 120-foot cement plug from 1,558 ft. to 1,678 ft., unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from 1,558 ft. to 1,678 ft.

Plug No. 4: Perforate 5-1/2" casing at 391 ft. and squeeze cement up the 5-1/2"x 8-5/8" casing annulus to the surface, unless pre-existing backside cement precludes cement-squeezing this interval. Set a cement plug within the 5-1/2" casing from a depth of 391 ft. to the surface.

An EPA-annotated wellbore Plugging and Abandonment Plan diagram is attached.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Sand Wash Federal (SWF) 10-31T-8-17

EPA Well ID Number: UT20847-08790

Underground Sources of Drinking Water (USDWs): USDWs in the Greater Boundary Unit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 341 ft. in this well.

Utah Division of Water Rights Information: According to the state website, <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>, there are no known reservoirs, streams, domestic or agricultural water wells within one-quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: The Total Dissolved Solids (TDS) content of water produced from the injection zone in the Green River Formation was determined to be 8,501 mg/l on November 20, 2009. Due to nearby injection activities of relatively fresh water for the purpose of enhanced oil recovery, this TDS value is likely not be representative of the original TDS content of formation waters at or near this well.

The TDS content of injectate was determined to be 7,933 mg/l on January 5, 2010. The injectate is water from the Jonah Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water.

Aquifer Exemption: The TDS of water produced from the proposed injection well is less than 10,000 mg/l. However, EPA has evaluated additional data and information and has concluded that the original Green River formation water was saline prior to enhanced oil recovery water flooding. The weight of evidence supports the conclusion that the occasional water sample from this area showing less than 10,000 mg/l is not representative of original Green River formation water, and is attributed to injection of relatively freshwater during enhanced oil recovery operations. Because this freshening effect from water flood operations is considered by EPA to be a temporary, artificial condition, an aquifer exemption is not required for this proposed injection well.

Confining Zone: The UIC Area Permit established Areal Confining Zone (ACZ) (also known as the Administrative Confining Zone) directly overlies the Garden Gulch Member of the Green River Formation and is found between 3,680 ft. and 3,873 ft. in this well. However, the cement records show an insufficient interval of adequate cement (80% cement bond index) behind casing across this interval. Therefore, the ACZ is not planned to be used as the confining zone for this well. To avoid the risks associated with cement-squeezing, two alternative Garden Gulch Member confining zones (below the ACZ) have been identified as follows:

Shale "A": 4,387 ft. to 4,070 ft. There is not a sufficient interval of adequate cement across Shale "A" according to CBL analysis. Therefore, Shale "A" is not planned to be used as the confining zone in this well.

Shale "B": 4,100 ft. to 4,186 ft. Shale "B" is approximately 86 ft. in thickness. There is 40-feet of adequate cement (80 percent or greater cement bond index) across Shale "B" in the interval 4,146 ft. – 4,186 ft. Also, the Permittee indicated in the permit application that the base of Shale "B" (top of the Garden Gulch #2) be used as the bottom of the confining zone (top of proposed injection zone). EPA is in agreement with that proposal as it represents a more conservative approach in this case. Therefore, EPA has determined that Shale "B" is the alternate confining zone for this well.

Injection Zone: The injection zone for this well is in the Green River Formation from the top of Garden Gulch 2 (base of Shale "B") at 4,186 ft., to the top of the Wasatch Formation at an estimated depth of approximately 6,258 ft. Due to the change in the designated confining zone, the injection zone has been limited to an interval from the base of Shale "B", at a depth of 4,186 ft. (top of Garden Gulch 2) to the top of the Wasatch Formation, at an estimated depth of approximately 6,258 ft. The Permittee proposed in the permit application that the injection zone (interval) be lowered to the top of the Garden Gulch #2 (the base of Shale "B") at a depth of 4,186 ft. for this well. EPA is in agreement with that proposal as it represents a more conservative approach in this case. Also, this clarifies that the top of the Wasatch Formation at 6,258 ft. (not a depth of 6,185 ft. as cited in the permit application) is used as the bottom of the injection zone. The top of the Wasatch Formation was estimated using an estimated thickness of the Basal Carbonate (at 6,138 ft.) of 120 ft. The injection zone at this well location consists of approximately 2,072 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of Formation tops are either submitted by the operator or are based on correlations to the Newfield Monument Butte Type Log.

Well Construction: The Cement Bond Log (CBL) for this well does shows 40-feet if adequate cement (80 percent or greater cement bond index) in the confining zone (Shale "B"). EPA Region 8 guidance calls for at least 18-feet of adequate cement through the confining zone. A further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is therefore not required.

Surface Casing: 8-5/8" casing is set at 321 ft. in a 12-1/4" hole, using 150 sacks of Class "G" Cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,171 ft. in a 7-7/8" hole secured with 300 sacks of Prem. Lite II cement and 450 sacks of 50/50 Poz mix cement. Plugged back total depth is 6,129 ft. Cement Bond Log (CBL) shows top of cement is at 96 ft.

Perforations: Top perforation: 4,442 ft. Bottom perforation: 5,514 ft.

Additional information concerning the well may be found on the state website:
<http://oilgas.ogm.utah.gov/>

Basis for Initial MAIP Calculation: The initial MAIP was calculated by EPA using the following input values for the fracture gradient and injectate specific gravity:

Fracture Gradient: A fracture gradient value of 0.623 psi/ft. was selected by EPA because it is the most conservative fracture gradient calculated for this well and for other nearby wells.

Specific Gravity: An injectate specific gravity value of 1.015 was selected by EPA because this value is the maximum expected specific gravity of injectate for this well.

Well Plugging and Abandonment: As discussed in the EPA Region 8 guidance, wells should be plugged and abandoned in a manner to prevent migration of fluids in the wellbore into or between USDWs. The four (4) cement plugs required for this well are as follows:

Plug No. 1 is required to prevent migration of fluids out of the injection zone. It is believed that there are no USDWs below Plug No. 1.

Plug No. 2 is required because the interval of the Green River Formation, containing the Bird's Nest and Trona Members, is reported to contain USDWs in places in the Uinta Basin, and the Mahogany Bench Member is an oil shale resource that is also being protected under U.S. Bureau of Land Management (BLM) requirements. [Note: Based on Cement Bond Log (CBL), EPA determined that the top of the Trona is at 3,048 ft. in this well.]

Plug No. 3 is required across the Uinta Formation/Green River Formation contact to prevent flow between USDWs.

Plug No. 4 is required to prevent fluids from migrating from the surface or from below into shallow USDWs.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following seven (7) Sand Wash Federal (SWF) and Tar Sands Federal (TSF) AOR wells that penetrate the area confining zone within or proximate to a one-quarter (1/4) mile radius around the SWF 10-31T-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

<u>AOR Well</u>	<u>API Number</u>	<u>Location</u>
SWF M-31-8-17	43-013-34031	SENE 31 T8S, R17E
TSF 7-31-8-17	43-013-31684	SWNE 31 T8S, R17E
SWF 11-31-8-17	43-013-32444	NESW 31 T8S, R17E
SWF 15-31-8-17	43-013-32448	SWSE 31 T8S, R17E
TSF 9-31-8-17	43-013-31616	NESE 31 T8S, R17E
SWF L-31-8-17	43-013-33761	NESE 31 T8S, R17E

Authorization for Additional Well: UIC Area Permit UT20847-00000
Well: Sand Wash Federal 10-31T-8-17 EPA Well ID: UT20847-08790

The permit application listed the SWF 14-31-8-17 well as being in the AOR. However, as shown on the AOR map, that well is located outside the AOR. Therefore, EPA did not include that well as an AOR well. Also, the TSF 31-1-8-17 well was not included in the permit application but was subsequently added to the AOR wells list by EPA.

No Corrective Action Required for the AOR Wells

As discussed below, no corrective action is being required for the six (6) AOR wells because:

- 1) the wells are shown to have adequate cement across the Shale "B" confining zone to prevent fluid migration in the wellbores, and/or;
- 2) the well(s) are previously permitted injection wells that have demonstrated Part II Mechanical Integrity, and/or;
- 3) the well(s) have been plugged and abandoned to prevent fluid migration in the wellbore(s).

These points are discussed briefly below for each AOR well:

SWF M-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 34 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) across the Shale "B" confining zone interval 4,184 ft. to 4,272 ft.

TSF 7-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 1,305 ft. The CBL shows no adequate cement (80 percent or greater cement bond index) in the ACZ, Shale "A" or Shale "B". However, this is a previously permitted injection well which has demonstrated Part II Mechanical Integrity (confirmed by RTS dated September 10, 2009). Also, the TSF 7-31-8-17 well is located approximately one-fourth (1/4) mile from SWF 10-31T-8-17 (at the outer-edge of the AOR where any pressure increase from the SWF 10-31T-8-17 well would be minimal), and the well has approximately 50 percent cement bond index cement in the Shale "A" interval 4,048 ft. to 4,078 ft.. Therefore, EPA has determined that no corrective action is needed for the TSF 7-31-8-17 well related to proposed injection activities at the SWF 10-31T-8-17 well.

SWF 11-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 300 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) across the Shale "B" confining zone interval 4,153 to 4,185 ft.

SWF 15-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 60 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) across the Shale "B" confining zone interval 4,196 to 4,287 ft.

TSF 9-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at surface. The CBL also shows adequate cement (80 percent or greater cement bond index) across the Shale "B" confining zone interval 4,164 ft. to 4,182 ft.

SWF L-31-8-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at surface. The CBL also shows adequate cement (80 percent or greater cement bond index) across the Shale "B" confining zone interval 4,160 ft. to 4,248 ft.

TSF 31-1-8-17

On June 21, 2010, Newfield submitted information (a wellbore diagram) on the TSF 31-1-8-17 well. The well was plugged and abandoned in 1968 (under previous plugging and abandonment requirements). Cement plugs were located in the well at the bottom, across the perforated intervals, at 3,400 ft., 1,600 ft., 160 ft., and at the surface. Based on the information submitted, EPA has determined that the cement plugs in the well will adequately serve to prevent fluid migration in the wellbore.

REPORTING REQUIREMENTS

Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted to EPA for review no later than 30 days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance

including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC)** at: **1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at: <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Tom Aalto, EPA
BA 6/14/10

Sand Wash Federal #10-31T-8-17

Spud Date: 7/06/0004

Put on Production: 8/16/2004

GL: 5329' KB: 5341'

Proposed Injection Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8 5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311.17')

DEPTH LANDED: 321.17' KB

HOLE SIZE: 12 1/4"

CEMENT DATA: 150sxs Class "G" mixed cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 146 jts. (6173.12')

DEPTH LANDED: 6171.12' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 96'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55

NO. OF JOINTS: 169 jts (5425.81')

TUBING ANCHOR: 5438.31' KB

NO. OF JOINTS: 2 jts (65.04')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 5473.61'

NO. OF JOINTS: 1 jt (32.50')

TOTAL STRING LENGTH: EOT @ 5540.20'

Notes:

Garden Gulch (GG)

Green River (GR)

Mahogany Bench (MB)

Injection Zone (IZ): 4186'-6258'

Confining Zone (CZ):

Shale "B", 4100'-4186'

USDW base estimated from
Technical Publication No. 92
(5341' - 5000' = 341')

Cement Top @ 96'

Casing shoe @ 321'

Shale "B" CZ 4100' -
(80% cement: 4146'-4186') IZ

FRAC JOB

8/02/04 5494-5514'

Frac LODC sands as follows:

74,240# 20/40 sand in 595 bbls lightning Frac 17 fluid. Treated @ avg press of 1521 psi w/avg rate of 24.7 BPM. ISIP 1550 psi. Calc flush: 5492 gal. Actual flush: 5531 gal.

8/02/04 5346-5376'

Frac A3 sands as follows:

126,069# 20/40 sand in 878 bbls lightning Frac 17 fluid. Treated @ avg press of 1325 psi w/avg rate of 24.8 BPM. ISIP 1650 psi. Calc flush: 5344 gal. Actual flush: 5384 gal.

8/02/04 5270-5278'

Frac A.5 sands as follows:

Decision made to leave behind frac on A.5 sds, Stage #3

8/02/04 5046-5053'

Frac C sands as follows:

14,824# 20/40 sand in 229 bbls lightning Frac 17 fluid. Treated @ avg press of 1901 psi w/avg rate of 24.7 BPM. ISIP 2120 psi. Calc flush: 5044 gal. Actual flush: 5082 gal.

8/03/04 4871-4940'

Frac D2 and I sands as follows:

60,172# 20/40 sand in 477 bbls lightning Frac 17 fluid. Treated @ avg press of 1858 psi w/avg rate of 24.8 BPM. ISIP 2450 psi. Calc flush: 4869 gal. Actual flush: 4872 gal.

8/11/04 4597-4606'

Frac PB10 sands as follows:

25,228# 20/40 sand in 292 bbls lightning Frac 17 fluid. Treated @ avg press of 2028 psi w/avg rate of 24.6 BPM. ISIP 2170 psi. Calc flush: 4595 gal. Actual flush: 4578 gal.

8/11/04 4442-4452'

Frac GB6 sands as follows:

37,398# 20/40 sand in 360 bbls lightning Frac 17 fluid. Treated @ avg press of 1901 psi w/avg rate of 24.7 BPM. ISIP 2170 psi. Calc flush: 4440 gal. Actual flush: 4355 gal.

Tubing Leak. Updated rod & tubing details

PERFORATION RECORD

7/29/04	5494-5514'	4 JSPF	80 holes
8/02/04	5362-5376'	4 JSPF	56 holes
8/02/04	5346-5356'	4 JSPF	40 holes
8/02/04	5270-5278'	4 JSPF	32 holes
8/02/04	5046-5053'	4 JSPF	28 holes
8/02/04	4936-4940'	4 JSPF	16 holes
8/02/04	4871-4881'	4 JSPF	40 holes
8/11/04	4597-4606'	4 JSPF	36 holes
8/11/04	4442-4452'	4 JSPF	40 holes

Uinta Fm.

321'

341'

Base of USDW

1618' GR Fm.

3048' Trona

3096' MB top

3120' MB base

3873' GG Mkr

4146' GGZ

4186' GGZ

Packer @ 4392'

4442-4452'

4597-4606'

4871-4881'

4936-4940'

5046-5053'

5270-5278'

5346-5356'

5362-5376'

5494-5514'

5716' Castle Peak

6138' Basal Carbonate

SHOE @ 6171'

TD @ 6185'

- 6258' Wasatch Fm. (est.)

Base of IZ

NEWFIELD



Sand Wash Federal #10-31T-8-17

2048' FSL & 2031' FEL

NW/SE Section 31-T8S-R17E

Duchesne Co, Utah

API #43-013-32449; Lease #UTU-74869

K1. 3/18/10

Sand Wash Federal #10-31T-8-17

Tom Aalto, EPA
6/14/10

Spud Date: 7/06/0004
Put on Production: 8/16/2004
GL: 5329' KB: 5341'

Proposed P&A Wellbore Diagram

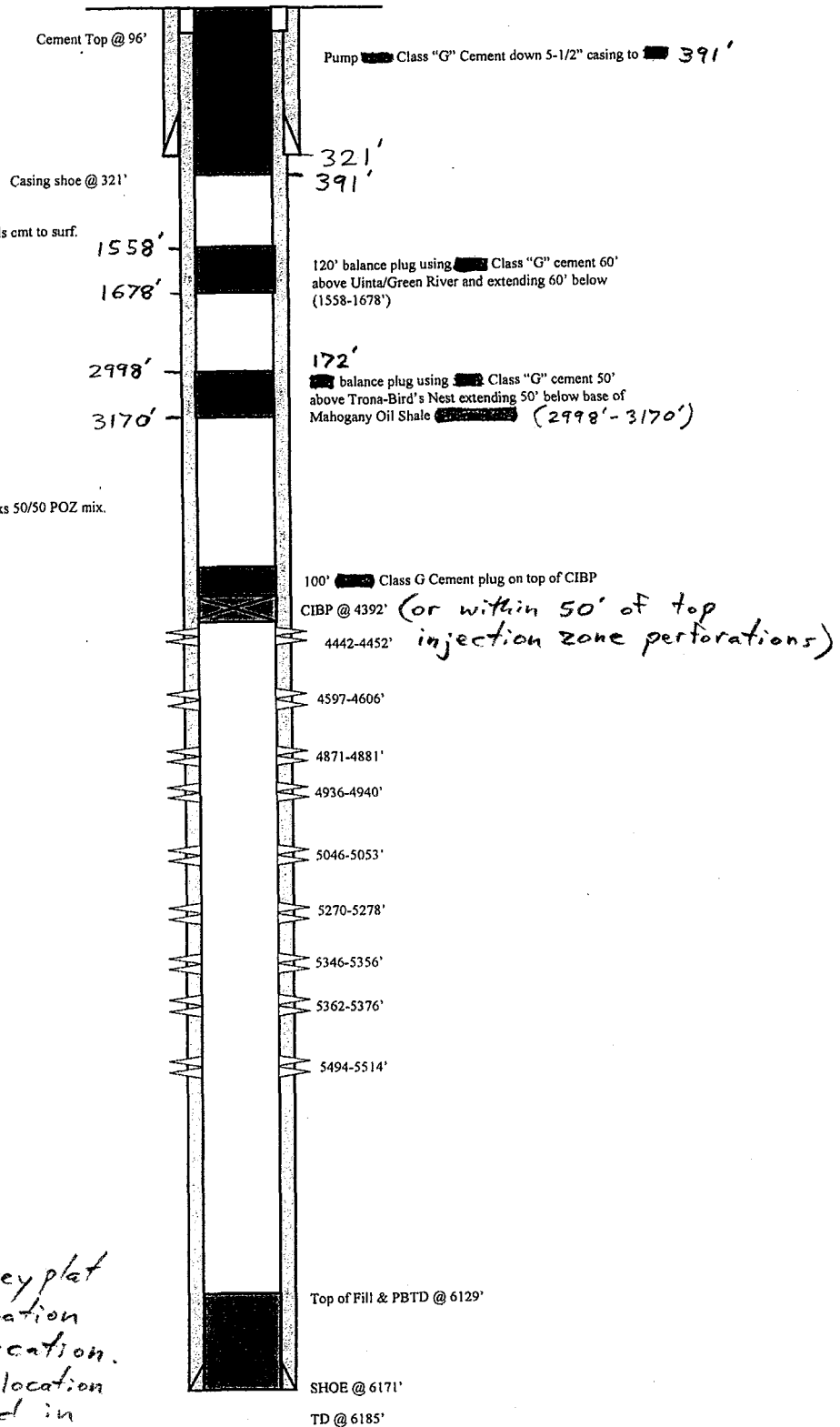
Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.17')
DEPTH LANDED: 321.17' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 150sxs Class "G" mixed cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6173.12')
DEPTH LANDED: 6171.12' KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.
CEMENT TOP AT: 96'



Note: Refer to official survey plat
for detailed information
concerning well location.

NEWFIELD

Sand Wash Federal #10-31T-8-17
2048' FSL & 2031' FEL
NW/SE Section 31-T8S-R17E
Duchesne Co, Utah
API #43-013-32449; Lease #UTU-74869
Do not use location map provided in the P&A Plan (see EPA file notes for further information).

KL 3/18/10

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74869
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2048 FSL 2031 FEL		8. WELL NAME and NUMBER: SANDWASH FEDERAL 10-31T-8-17
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301332449
6. OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE, 31, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
7. COUNTY: DUCHESNE		8. STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>02/04/2011</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 02/01/2011.

On 01/31/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 02/04/2011 the casing was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 240 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20847-08790 API# 43-013-32449

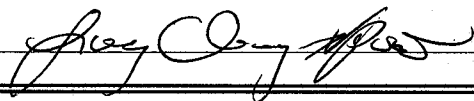
Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 02/09/2011

(This space for State use only)

RECEIVED

FEB 22 2011

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 2 / 4 / 11

Test conducted by: Eric L. Park

Others present: _____

Well Name: <u>Sandwash 10-31+-R-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Mammoth Butte</u>		
Location: <u>NW/SE</u> Sec: <u>31</u> T <u>8</u> N <u>10</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☒ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 2 psig

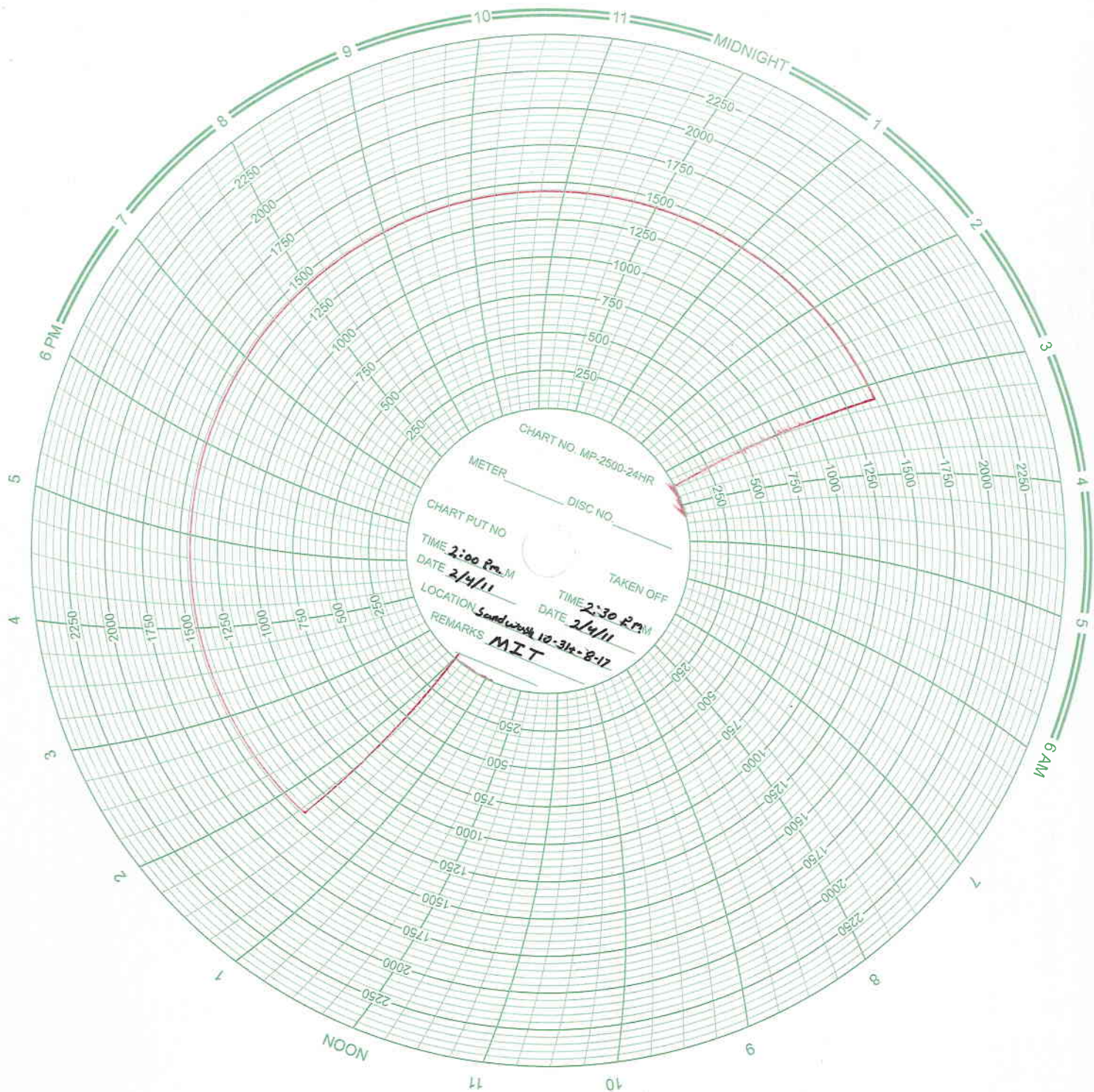
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>240</u> psig	psig	psig
End of test pressure	<u>240</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1450</u> psig	psig	psig
5 minutes	<u>1450</u> psig	psig	psig
10 minutes	<u>1450</u> psig	psig	psig
15 minutes	<u>1450</u> psig	psig	psig
20 minutes	<u>1450</u> psig	psig	psig
25 minutes	<u>1450</u> psig	psig	psig
30 minutes	<u>1450</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

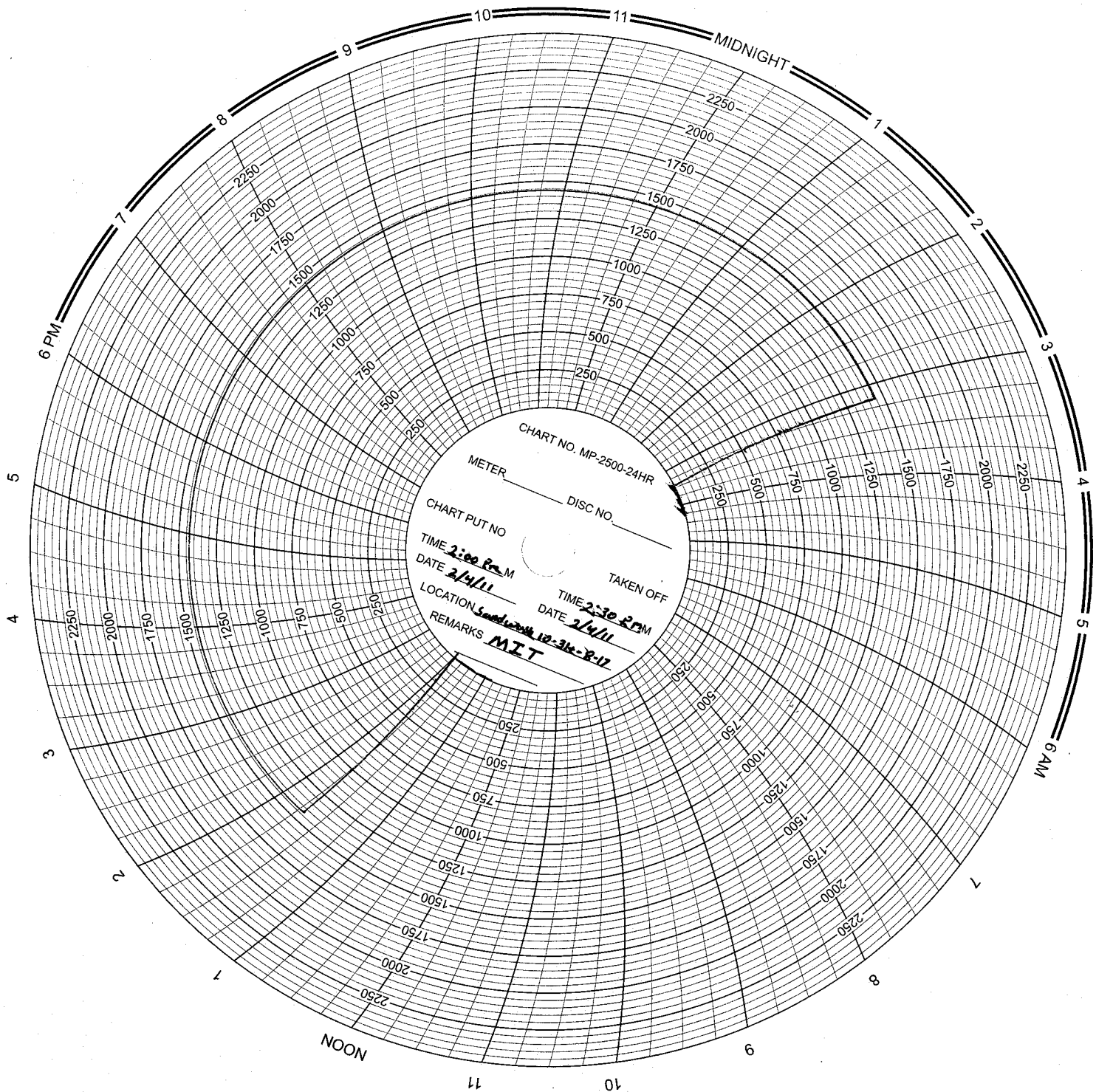
Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____





Daily Activity Report

Format For Sundry

SANDWASH 10-31T-8-17**12/1/2010 To 4/28/2011****1/31/2011 Day: 1****Conversion**

WWS #7 on 1/31/2011 - MIRU Western rig #7. LD rod string and pump. NU BOP. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 10 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH. ND wellhead & release TA @ 5438'. NU BOP. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$27,935

2/1/2011 Day: 2**Conversion**

WWS #7 on 2/1/2011 - TOH W/ production tbg. TIH W/ packer & test injection string. Retrieve standing valve. - RU HO trk & flush tbg W/ 30 BW @ 250°F. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 37 jts & BHA. Flushed tbg OD W/ 30 BW on TOH. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 135 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. SIFN.

Daily Cost: \$0**Cumulative Cost:** \$34,318

2/2/2011 Day: 3**Conversion**

WWS #7 on 2/2/2011 - Set & test packer. RDMOSU. - ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4394', CE @ 4398' & EOT @ 4402'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU..

Daily Cost: \$0**Cumulative Cost:** \$40,252

2/8/2011 Day: 4**Conversion**

Rigless on 2/8/2011 - Conversion MIT. - On 1/31/11 Jason Deardorf with the EPA was contacted concerning the Conversion MIT on the above listed well (Sandwash 10-31T-8-17). On 2/4/11 the csg was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 240 psig during the test. There was not an EPA representative available to witness the test. Final Report EPA# UT 20847-08790 API#43-013-32449 **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$65,572

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

MAR 25 2011

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED
APR 06 2011
DIV. OF OIL, GAS & MINING

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84052

**Accepted by the
Utah Division of
Oil, Gas and Mining**
FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Authorization to Commence Injection
EPA UIC Permit UT20847-08790
Well: Sandwash Federal 10-31T-8-17
NWSE Sec. 31-T8S-R17E
Duchesne County, Utah
API No.: 43-013-32449

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) February 9, 2011, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20847-08790.

As of the date of this letter, Newfield is authorized to commence injection into the Sandwash Federal 10-31T-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 815 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

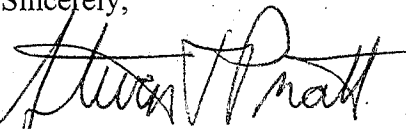
Mr. Nathan Wiser
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20847-08790.

If you have questions regarding the above action, please call Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174.

Sincerely,

for 

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Richard Jenks, Jr., Chairman
Frances Poowegup, Vice-Chairwoman
Ronald Wopsock, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

FOR RECORD ONLY
Oil, Gas and Mining
Division of
Utah Department of
Natural Resources

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-74869

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
SANDWASH FEDERAL 10-31T-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332449

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2048 FSL 2031 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 31, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>04/02/2011</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 2:00 PM on 04/02/2011.

EPA # UT20847-08790 API # 43-013-32449

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE

DATE 04/06/2011

(This space for State use only)

RECEIVED

APR 11 2011

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
USA UTU-74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
SANDWASH FEDERAL 10-31T-8-17

9. API Well No.
4301332449

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2048 FSL 2031 FEL

NWSE Section 31 T8S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Put on Injection
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above reference well was put on injection at 2:00 PM on 04/02/2011.

EPA # UT20847-08790 API # 43-013-32449

RECEIVED

APR 11 2011

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naupoto

Signature

Title

Water Services Technician

Date

04/06/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: SAND WASH FED 10-31T-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2048 FSL 2031 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 31 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013324490000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/6/2014
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> OTHER			
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: Workover MIT/ Concentric In			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed - Water Isolation/Concentric Injection. Workover MIT on the above listed well. On 06/06/2014 the csg was pressured up to 1151 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure for the 1.6 tbq was 0 psig and the tbq pressure for the 2-7/8" was 0 psig during the test. There was not a EPA representative available to witness the test. EPA # UT22197-08790

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

June 17, 2014

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/9/2014	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 6/6/2014Test conducted by: Dustin Bennett

Others present: _____

Well Name: <u>Sandwich Field 10-31T-8-12</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Apogee Butte</u>			
Location: <u>NW/SE</u> Sec <u>31</u> T <u>8</u> N <u>8</u> R <u>12E</u> W		County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Martinez Exploration</u>			
Last MIT: <u>1</u>		Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ NoInitial test for permit? ☐ Yes ☒ NoTest after well rework? ☒ Yes ☐ NoWell injecting during test? ☐ Yes ☒ No

If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1164 / 0/0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure	<u>0/0</u> psig	psig	psig	psig
End of test pressure	<u>0/0</u> psig	psig	psig	psig
CASING / TUBING		ANNULUS PRESSURE		
0 minutes	<u>1164</u> psig	psig	psig	psig
5 minutes	<u>1161</u> psig	psig	psig	psig
10 minutes	<u>1159</u> psig	psig	psig	psig
15 minutes	<u>1157</u> psig	psig	psig	psig
20 minutes	<u>1155</u> psig	psig	psig	psig
25 minutes	<u>1152</u> psig	psig	psig	psig
30 minutes	<u>1151</u> psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

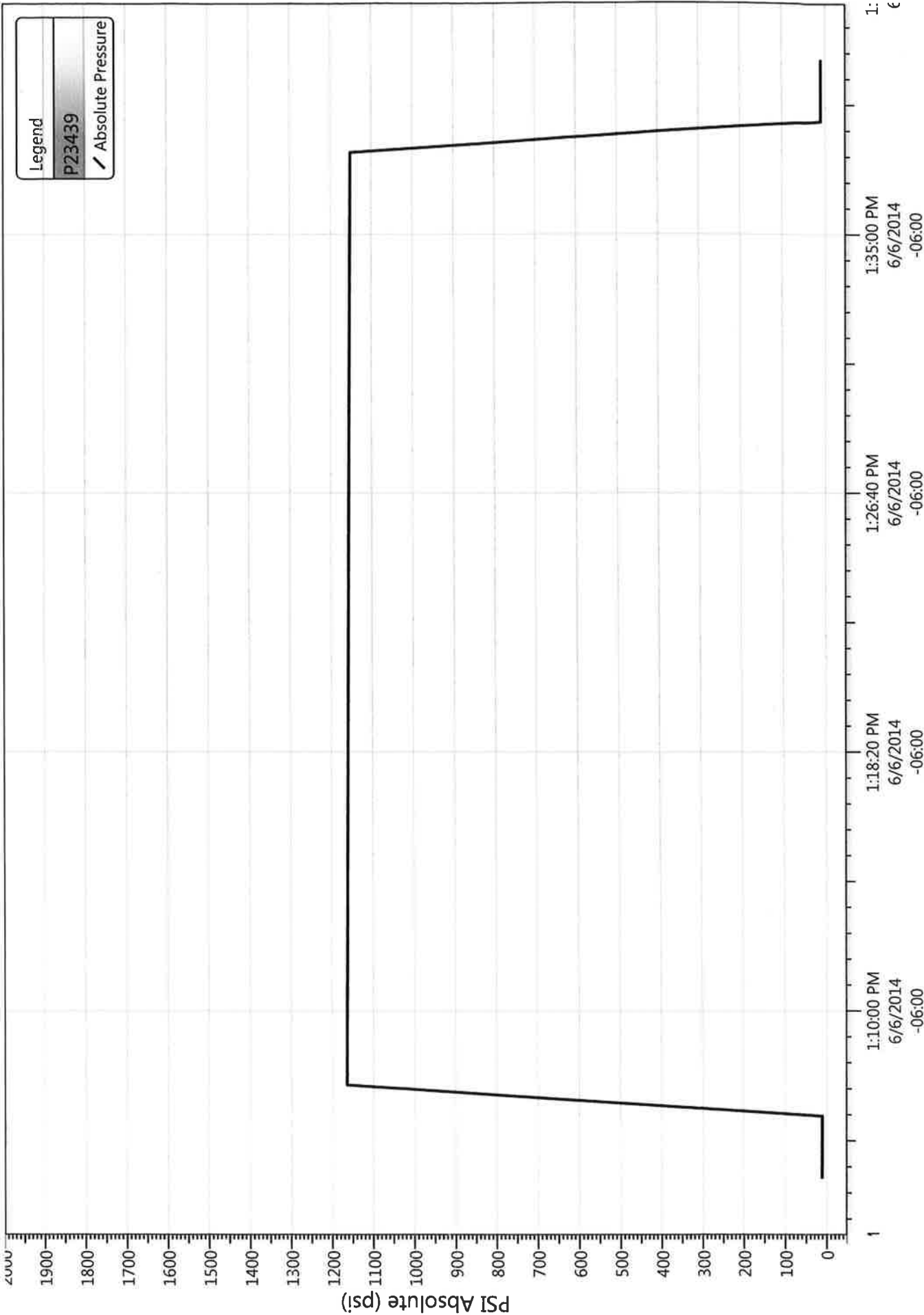
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Sandwash Fed. 10-31T-8-17 (rework MIT 6-6-2014)

6/6/2014 1:03:59 PM



NEWFIELD**Job Detail Summary Report****Well Name: Sandwash 10-31T-8-17**

Jobs			
Primary Job Type	Job Start Date	Job End Date	
Reconfigure Tubing / Components	6/3/2014		6/6/2014

Daily Operations

Report Start Date		Report End Date	24hr Activity Summary
6/3/2014		6/3/2014	MIRU
Start Time	End Time	Comment	
	02:30	LOAD OUT & MOVE FROM FED 2-1 TO SANDWASH FED 10-31T MIRU SAME	
Report Start Date		Report End Date	24hr Activity Summary
6/4/2014		6/4/2014	TOOH TBG
Start Time	End Time	Comment	
	06:00	CREW TRAVEL & SAFETY NTG	
Start Time	End Time	Comment	
	07:00	FLUSH TBG W/ 30 BBLs H2O @ 1200 PSI	
Start Time	End Time	Comment	
	08:30	TOOH W/ 135 JTS 2 7/8 TBG LD 5 1/2 ARROWSET-1 PKR	
Start Time	End Time	Comment	
	10:30	PU & TIH W/ 5 1/2 BIT & SCRAPER PSN & 135 JTS 2 7/8 TBG, CONT PU 35 JTS 2 7/8 TBG, EOT @ 5535'	
Start Time	End Time	Comment	
	11:45	PUMP 20 GALS OF SOLVENT, 5 BBLs 15% HCL ACID 55 GALS OF SCAVENGER, CIRC ACID TO EOT W/ 32 BBLs H2O, REV ACID OUT OF HOLE W/ 40 BBLs FRESH H2O	
Start Time	End Time	Comment	
	14:45	CICR SV TO PSN, TEST TBG TO 3000 PSI-OK RU & RIH W/ SANDLINE RET SV, POOH & RACK OUT SANDLINE	
Start Time	End Time	Comment	
	15:30	LD 14 JTS 2 7/8 TB, TOOH BREAKING & REDOPING EVERY CONNECTION W/ 21 JTS 2 7/8 TBG, CONT TOOH TALLEYING TBG W/ 40 JTS 2 7/8 TBG EOT @ 2907' CWI @ 5:30 FOR SAFETY MTG	
Start Time	End Time	Comment	
	17:30	CREW TRAVEL	
Report Start Date		Report End Date	24hr Activity Summary
6/5/2014		6/5/2014	TIH W/ PROD PKRS
Start Time	End Time	Comment	
	06:00	Crew Travel & Safety MTG	
Start Time	End Time	Comment	
	07:00	Flush TBG W/ 30 BBLs H2O, CONT TOOH W/ 109 JTS 2 7/8 TBG, LD 5 1/2" Bit & Scraper	
Start Time	End Time	Comment	
	07:45	RD Floor & TBG Works, ND 5000# BOPS, Change out 3K Wellhead for a 5K Wellhead, NU 5000# BOPS, RU Floor & TBG Works	
Start Time	End Time	Comment	
	08:45	PU & TIH W/ 2 7/8" RE Entry guide, 5 1/2" Arrowset-1 PKR, PBR, 6 JTS 2 7/8" TBG 6' PERF SUB, 12 JTS 2 7/8" TBG, 6' PERF SUB, PSN, 3 JTS 2 7/8" TBG 5 1/2" HRP PKR & 135 JTS 2 7/8" TBG, RD Floor & TBG	
Start Time	End Time	Comment	
	10:45	Works, strip off 5000# BOPS, Set 5 1/2 Arrowset-1 PKR W/ 5000# Tension W/ CE @ 5102', Land TBG W/ Hanger, NU Wellhead, CIRC SV To PSN, Test TBG To 1500 PSI For 30 MIN Good test, CIRC 70	
Start Time	End Time	Comment	
	13:00	BBLs Fresh H2O & PKR Fluid down CSG, Set 5 1/2" HRP PKR @ 2500 PSI 4397', Let PKR set for 15 MIN W/ 3000 PSI, RU & RIH W/ Sandline RET SV, POOH & Rack out sandline,	
Start Time	End Time	Comment	
	15:45	Test CSG to 1500 PSI Good test	
Start Time	End Time	Comment	
	16:45	RUFloor & TBG Works & change over to 1.66 TBG CWI	
Start Time	End Time	Comment	
	17:30	Crew Travel	



Job Detail Summary Report

Well Name: Sandwash 10-31T-8-17

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
6/6/2014	6/6/2014	PU & TIN W/ 1.6 TBG	00:00	01:00	CREW TRAVEL & SAFETY MTG
Start Time	End Time		01:00	01:45	FLUSH TBG W/ 30 BBLs H2O
Start Time	End Time		01:45	05:45	PU & Talley Slinger, X-Over & 157 JTS 1.66 TBG, Tag PBR @ 5094', LD 2 JTS Space out W/ 1-10' 1-8' 1-2' 1.66 TBG SUBS, PU 1 JT 1.66 TBG, LAND TBG W/ 3K compression @ 5094'
Start Time	End Time		05:45	06:15	RD FLOOR & TBG WORKS, NU WH
Start Time	End Time		06:15	08:30	DO MIT TEST - GOOD TEST RDMO @ 2:30. The above subject well had workover procedures performed - Water Isolation/Concentric Injection.
On 06/06/2014 the csg was pressured up to 1151 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure for the 1.6 tbg was 0 psig and the tbg pressure for the 2-7/8" was 0 psig during the test. There was not a EPA representative available to witness the test. EPA # UT22197-08790					

NEWFIELD

Schematic

Well Name: Sandwash 10-31T-8-17

Surface Legal Location 31-8S-17E		API/UWI 43013324490000	Well RC 500150932	Lease	State/Province Utah	Field Name GMBU CTB7	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 8/16/2004	Original KB Elevation (ft) 5,341	Ground Elevation (ft) 5,329	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,129.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type	Secondary Job Type N/A	Job Start Date 6/3/2014	Job End Date 6/6/2014
---------------------------------------	------------------	---------------------------	----------------------------	--------------------------

TD: 6,185.0

Vertical - Original Hole, 6/9/2014 8:52:04 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (° ...	
10.5				
11.2				
11.8				
12.1				
12.8				
44.3				4-2; Cross Over 1.66x2 3/8; 1.66; 11-12; 0.70
46.3				4-3; Tubing; 1.66; 1.380; 12-44; 32.45
54.5				4-4; Tubing Pup Joint; 1.66; 44-46; 2.00
64.3				4-5; Tubing Pup Joint; 1.66; 46-54; 8.00
96.1				4-6; Tubing Pup Joint; 1.66; 54-64; 10.00
320.2				1; Surface; 8 5/8 in; 8.097 in; 12-321 ftKB; 309.12 ft
321.2				3-2; Tubing; 2 7/8; 2.441; 13-4,394; 4,380.81
4,393.7				4-7; Tubing; 1.66; 1.380; 64-5,100; 5,035.80
4,399.9				3-3; HRP Packer; 5 1/2; 4,950; 4,394-4,400; 6.28
4,441.9				Perforated; 4,442-4,452; 8/16/2004
4,452.1				3-4; Tubing; 2 7/8; 2.441; 4,400-4,497; 96.70
4,496.7				
4,497.7				3-5; Pump Seating Nipple; 2 7/8; 4,497-4,498; 1.10
4,503.9				3-6; Perforated Joint; 2 7/8; 4,498-4,504; 6.04
4,597.1				
4,606.0				Perforated; 4,597-4,606; 8/16/2004
4,871.1				3-7; Tubing; 2 7/8; 2.441; 4,504-4,893; 389.13
4,880.9				
4,893.0				3-8; Perforated Joint; 2 7/8; 4,893-4,899; 5.95
4,898.9				Perforated; 4,871-4,940; 8/16/2004
4,936.0				
4,940.0				3-9; Tubing; 2 7/8; 2.441; 4,899-5,094; 195.41
5,045.9				Perforated; 5,046-5,053; 8/16/2004
5,053.1				
5,094.5				3-10; Seal Bore Receptacle; 2 7/8; 5,094-5,099; 4.82
5,099.1				
5,100.1				4-8; Cross Over 1.90X1.66; 1.90; 5,100-5,101; 0.55
5,100.7				4-9; On-Off Tool/Stinger; 1.90; 5,101-5,101; 0.28
5,101.0				3-11; ARROWSET-1 Packer; 5 1/2; 4,950; 5,099-5,106; 6.86
5,106.0				3-12; Wireline Guide; 2 7/8; 2.441; 5,106-5,106; 0.45
5,106.6				
5,270.0				Perforated; 5,270-5,278; 8/16/2004
5,277.9				
5,346.1				Perforated; 5,346-5,376; 8/16/2004
5,376.0				
5,494.1				Perforated; 5,494-5,514; 8/16/2004
5,514.1				
6,127.3				
6,128.0				
6,128.9				
6,170.6				
6,171.3				
6,185.0				2; Production; 5 1/2 in; 4.950 in; 12-6,171 ftKB; 6,159.12 ft

NEWFIELD**Newfield Wellbore Diagram Data
Sandwash 10-31T-8-17**

Surface Legal Location 31-8S-17E			API/UWI 43013324490000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin		Field Name GMBU CTB7
Well Start Date 7/6/2004		Spud Date		Final Rig Release Date		On Production Date 8/16/2004
Original KB Elevation (ft) 5,341	Ground Elevation (ft) 5,329	Total Depth (ftKB) 6,185.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 6,129.0

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	7/7/2004	8 5/8	8.097	24.00	J-55	321
Production	7/19/2004	5 1/2	4.950	15.50	J-55	6,171

Cement**String: Surface, 321ftKB 7/8/2004**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 321.2	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/SK Cello-Flake		Fluid Type Lead	Amount (sacks) 150	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,171ftKB 7/19/2004

Cementing Company BJ Services Company		Top Depth (ftKB) 96.0	Bottom Depth (ftKB) 6,185.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% GEL + 3% KCL, 3#S /SK CSE + S#SK/KOLSEAL + 1.2#S/SK CELLO FLAKE		Fluid Type Lead	Amount (sacks) 300	Class Premlite II	Estimated Top (ftKB) 96.0
Fluid Description 2% GEL + 3% KCL, .5%EC1, 1/4# SK CF. 2%GEL .3% SM		Fluid Type Tail	Amount (sacks) 450	Class 50/50 POZ	Estimated Top (ftKB) 2,500.0

Tubing Strings

Tubing Description Tubing					Run Date 6/5/2014	Set Depth (ftKB) 5,106.5		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1					0.90	12.0	12.9
Tubing	135	2 7/8	2.441	6.50	J-55	4,380.81	12.9	4,393.7
HRP Packer	1	5 1/2	4.950			6.28	4,393.7	4,400.0
Tubing	3	2 7/8	2.441	6.50	J-55	96.70	4,400.0	4,496.7
Pump Seating Nipple	1	2 7/8				1.10	4,496.7	4,497.8
Perforated Joint	1	2 7/8			N-80	6.04	4,497.8	4,503.9
Tubing	12	2 7/8	2.441	6.50	J-55	389.13	4,503.9	4,893.0
Perforated Joint	1	2 7/8			N-80	5.95	4,893.0	4,898.9
Tubing	6	2 7/8	2.441	6.50	J-55	195.41	4,898.9	5,094.3
Seal Bore Receptacle	1	2 7/8				4.82	5,094.3	5,099.2
ARROWSET-1 Packer	1	5 1/2	4.950			6.86	5,099.2	5,106.0
Wireline Guide	1	2 7/8	2.441			0.45	5,106.0	5,106.5

Tubing Description Tubing					Run Date 6/6/2014	Set Depth (ftKB) 5,101.0		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1					0.81	10.4	11.2
Cross Over 1.66x2 3/8	1	1.66				0.70	11.2	11.9
Tubing	1	1.66	1.380	2.33	J-55	32.45	11.9	44.4
Tubing Pup Joint	1	1.66				2.00	44.4	46.4
Tubing Pup Joint	1	1.66				8.00	46.4	54.4
Tubing Pup Joint	1	1.66				10.00	54.4	64.4
Tubing	155	1.66	1.380	2.30	J-55	5,035.80	64.4	5,100.2
Cross Over 1.90X1.66	1	1.9				0.55	5,100.2	5,100.7
On-Off Tool/Stinger	1	1.9				0.28	5,100.7	5,101.0

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
1	GB6, Original Hole	4,442	4,452	4			8/16/2004
2	PB10, Original Hole	4,597	4,606	4			8/16/2004
3	D1&2, Original Hole	4,871	4,940	4			8/16/2004
4	C, Original Hole	5,046	5,053	4			8/16/2004
5	A5, Original Hole	5,270	5,278	4			8/16/2004

NEWFIELD

Newfield Wellbore Diagram Data Sandwash 10-31T-8-17



Perforation Intervals							
Stage#	Zone	Top (ftKB)	Btn (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
6	A3, Original Hole	5,346	5,376	4			8/16/2004
7	LODC, Original Hole	5,494	5,514	4			8/16/2004

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
1	1,663	0.93	24.7	2,218			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
3	2,450	0.93	24.8	2,050			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
5	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			
4	2,120	0.85	24.8	2,165			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
1		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
3		Proppant White Sand 337986 lb
5		
5		
5		
5		
5		
5		
4		Proppant White Sand 337986 lb
4		Proppant White Sand 337986 lb

NEWFIELD**Newfield Wellbore Diagram Data
Sandwash 10-31T-8-17**

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
4		Proppant White Sand 337986 lb
4		Proppant White Sand 337986 lb
4		Proppant White Sand 337986 lb
4		Proppant White Sand 337986 lb
4		Proppant White Sand 337986 lb



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JUL 11 2014

RECEIVED

JUL 16 2014

DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7008-3230-0003-0727-5584
RETURN RECEIPT REQUESTED

Mr. J D Horrocks
Newfield Exploration Company
Route 3, Box 3630
Myton, UT 84052

31 8S 17E

Re: Underground Injection Control (UIC)
Permission to Resume Injection
Sand Wash Federal 10-31T-8-17 Well
EPA ID# UT22197-08790
API # 43-013-32449
Duchesne County, UT

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Dear Mr. Horrocks:

On June 17, 2014, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover to install a concentric injection tubing configuration and the followup mechanical integrity test (MIT) conducted on June 6, 2014. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before June 6, 2019.

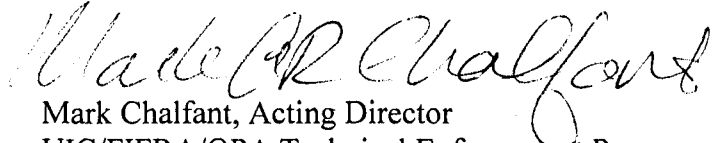
A Maximum Allowable Injection Pressure (MAIP) for the perforations at 5270 feet, below the lower packer, has been calculated at 1275 psig.

Pursuant to 40 C.F.R. § 144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. § 300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056.
Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,


Mark Chalfant, Acting Director
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Gordon Howell, Chairman
 Uintah & Ouray Business Committee
 P.O. Box 190
 Fort Duchesne, Utah 84026

 Reannin Tapoof, Executive Assistant
 Uintah & Ouray Business Committee
 P.O. Box 190
 Fort Duchesne, Utah 84026

 Tony Small, Councilman
 Uintah & Ouray Business Committee
 P.O. Box 190
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 Phillip Chimburas, Councilman
 Uintah & Ouray Business Committee
 P.O. Box 190
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 Ronald Wopsock, Vice-Chairman
 Uintah & Ouray Business Committee
 P.O. Box 190
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 Stewart Pike, Councilman
 Uintah & Ouray Business Committee
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 Bruce Ignacio, Councilman
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 Manuel Myore, Director of Energy,
 Minerals and Air Programs
 Ute Indian Tribe
 P.O. Box 190
 Fort Duchesne, Utah 84026

✓ John Rogers
 Utah Division of Oil, Gas and Mining
 P.O. Box 145801
 Salt Lake City, Utah 84114

